DOCUMENT RESUME

ED 276 923 CG 019 540

TITLE	Minnesota Health Statistics 1984. [34th Annual Summary Report.]
INSTITUTION	Minnesota State Dept. of Health, Minneapolis. Center for Health Statistics.
PUB DATE	Jul 86
NOTE	160p.
PUB TYPE	Statistical Data (110)
EDRS PRICE	MF01/PC07 Plus Postage.
DESCRIPTORS	Abortions; *Birth Rate; *Death; Demography; Divorce; *Health; Infant Mortality; *Marriage; Occupational Diseases; *Occupational Safety and Health; Population Trends
IDENTIFIERS	*Minnesota; *Vital Statistics

ABSTRACT

This annual summary of vital statistics contains technical notes on changes in the summary format, sources of data, data quality, geographic allocation, and definition of rates. A total of 56 data tables and 13 figures are provided in the areas of: (1) an overview of 1984 vital statistics; (2) live births; (3) reported induced abortions; (4) fertility; (5) infant mortality and fetal deaths; (6) general mortality; (7) marriage and divorce; (8) occupational illness and injury; and (9) population. The appendices contain definitions of terms, data collection instruments, and a map of Minnesota health districts and offices. (NB)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

CG

ED276923

CG 019540

1984 MINNESOTA HEALTH STATISTICS

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☑ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality

- Points of view or opinions stated in this document do not necessarily represent official OERI position or policy

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
Donald Holst

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

Minnesota
Department
of Health

MINNESOTA

HEALTH STATISTICS

1984

Published July, 1986

Minnesota Department of Health
Minnesota Center for Health Statistics
717 Delaware Street S.E.
P.O. Box 9441
Minneapolis, Minnesota 55440

Cover photo courtesy of: David Estep

FOREWORD

Minnesota Health Statistics 1984 was prepared by the Minnesota Center for Health Statistics of the Minnesota Department of Health and is the 34th annual summary of vital statistics published by the Department. The document also responds, in part, to the requirements of a contract held with the United States Department of Health, Education, and Welfare to establish and implement a cooperative health statistics program for Minnesota.

If you have suggestions concerning the report format, queries concerning the data formulae used in developing the statistics, or if you have requests for additional statistics or other related publications, please contact:

Minnesota Department of Health
Minnesota Center for Health Statistics
717 S.E. Delaware St.
P.O. Box 9441
Minneapolis, MN 55440

Telephone Number: (612) 623-5353

TABLE OF CONTENTS

Page

Technical Notes 1

    Changes in Summary Format 1
    Sources of Data 1
    Data Quality 3
    Geographic Allocation 6
    Definition of Rates 7

Overview of 1984 Vital Statistics 9

Live Births 21

Reported Induced Abortions 41

Fertility 63

Infant Mortality and Fetal Deaths 67

General Mortality 71

Marriage and Divorce 101

Occupational Illness and Injury 109

Population 117

Appendices 133

    A. Definitions 135

    B. Data Collection Instruments 141

    C. Map of Health Districts and Offices 149

LIST OF TABLES

Table Page

1 Percent Changes Between 1983 and 1984 Selected Minnesota Health Statistics 11

2 Resident Live Births, Crude Birth Rates, and Fertility Rates, Minnesota and United States, 1940, 1945, 1950, 1955, 1960, 1965-1984 12

3 Numbers and Rates of Resident Live Births, Deaths, and Maternal Deaths, Minnesota and United States, 1940, 1945, 1950, 1955, 1960, 1965-1984 13

4 Numbers and Rates of Infant Deaths, Neonatal Deaths, and Fetal Deaths, Minnesota and United States, 1940, 1945, 1950, 1955, 1960, 1965-1984 14

5 Marriages and Divorces and Annulments, Numbers and Rates, Minnesota and United States, 1940, 1945, 1950, 1955, 1960, 1965-1984 15

6 Births, Deaths, Infant Deaths, Fetal Deaths, Marriages, Divorces and Annulments by Month, Minnesota Occurrences, 1984 16

7 Live Births, Fetal Deaths, Deaths, Infant Deaths, and Neonatal Deaths by Urban Area of Residence, Minnesota, 1984 . . 17

8 Live Births by County of Occurrence Distributed According to Residence, Resident Live Births Distributed According to Place of Birth, Minnesota, 1984 24

9 Selected Resident Natality Statistics by County and Cities Over 90,000, Minnesota, 1984 26

10 Live Birth Weight by Live Birth Order and Sex, Minnesota Residents, 1984 38

11 Live Births by Age of Mother and Live Birth Order, Minnesota Residents, 1984 39

12 Prenatal Care and Race by Age of Mother and by Legitimacy Status, Minnesota Residents, 1984 40

13 Total Reported and Resident Induced Abortions, Minnesota, 1973 - 1984 43

14 Reported Induced Abortions, Selected Surveillance Results and Comparisons, Minnesota, 1980-1984 44

LIST OF TABLES (CONT.)

Table Page

15 Reported Induced Abortions by Selected Age Group by Residence, Minnesota, 1984 45

16 Reported Induced Abortions by Race/Ethnic Group and Residence, Minnesota, 1984 46

17 Reported Resident Induced Abortions by Race and Age Group, Minnesota, 1984 46

18 Reported Induced Abortions by Marital Status and Residence, Minnesota, 1984 47

19 Reported Resident Induced Abortions by Age Group and Marital Status, Minnesota, 1984 47

20 Reported Induced Abortions by Gestation and Residence, Minnesota, 1984 48

21 Reported Resident Induced Abortions by Age Group by Weeks of Gestation, Minnesota, 1984 48

22 Patients Reporting Prior Abortions by Age Group and Residence, Minnesota, 1984 50

23 Reported Induced Abortions by Number of Prior Abortions and Residence, Minnesota, 1984 51

24 Reported Induced Abortions by Number of Prior Live Births and Residence, Minnesota, 1984 52

25 Abortion Patients Reporting Prior Live Births by Age Group and Residence, Minnesota, 1984 53

26 Reported Resident Induced Abortions by Method by Weeks of Gestation, Minnesota, 1984 54

27 Reported Induced Abortions by Method by Complication and Residence, Minnesota, 1984 55

28 Marital Status by Reported Contraceptive Use, Minnesota Residents, 1984 56

29 Reported Induced Abortions by Age Group by Type of Contraception at Conception, Minnesota Residents, 1984 57

30 Reported Induced Abortions by Age Group by Contraceptive Use, Minnesota Residents, 1984 58

LIST OF TABLES (CONT.)

Table Page

31 Reported Induced Abortions by Quarter and Residence, Minnesota, 1984 60

32 Reported Induced Abortions Occurring in Minnesota to Non-Minnesota Residents by State or Country of Residence, 1984 . . 62

33 Total Reported Pregnancies by Outcome Type and Rate, Minnesota Residents, 1975-1984 65

34 Pregnancy Outcomes and Pregnancy Rates by Age of Woman, Minnesota Residents, 1980-1984 66

35 Infant, Neonatal and Postneonatal Deaths by Cause, Minnesota Residents, 1984 69

36 Fetal Deaths of 20 Weeks and Over by Cause and Weight of Fetus, Minnesota Residents, 1984 70

37 Deaths by County of Occurrence According to Residence: Resident Deaths Distributed According to Place of Death, Minnesota, 1984 74

38 Deaths From Selected Causes by Age Group and Sex, Minnesota Residents, 1984 76

39 Deaths Due to Selected Causes by Race, Minnesota Residents, 1984 83

40 Fifteen Leading Causes of Death, Death Rates Per 100,000 Population and Percent of Total Deaths, Minnesota Residents, 1984 84

41 Leading Causes of Death by Selected Age Groups, Minnesota Residents, 1984 85

42 Accident Fatalities Occurring in Minnesota by Accident Category and Age Group, 1983-1984 86

43 Deaths Occurring in Minnesota by Cause and Autopsy Status, 1984 87

44 Selected Resident Mortality Statistics by County and Cities Over 90,000, Minnesota, 1984 88

45 Marriages Reported in Minnesota by State of Residence, 1984 . . 103

46 Marriages, Divorces, and Annulments by County of Occurrence, Minnesota, 1984 104

LIST OF TABLES (CONT.)

Table Page

47 Marriages Occurring in Minnesota by Race of Bride and Groom, 1984 106

48 Marriages Occurring in Minnesota by Age of Bride and Groom, 1984 107

49 Divorces and Annulments by Age of Husband and Wife, Minnesota, 1984 108

50 Number of Injuries and Illnesses by Major Industrial Category, Minnesota, 1983 and 1984 111

51 Annual Average Employment, Percent of Total Employment and Rate of Occupational Injuries and Illnesses Per 1,000 Workers by Industrial Category, Minnesota, 1984 112

52 Number of Injuries and Illnesses by Major Occupational Category, Minnesota, 1983 and 1984 113

53 Number of Occupational Injuries and Illnesses by Type of Accident, Minnesota 1983 and 1984 114

54 Number of Occupational Injuries and Illnesses by Nature of Injury, Minnesota, 1983 and 1984 115

55 Number of Occupational Injuries and Illnesses by Part of Body Injured, Minnesota, 1983 and 1984 116

56 Population Estimates by Region, County, Cities Over 90,000, and Sex, Minnesota, 1984 121

LIST OF FIGURES

Figure Page

1 Reported Induced Abortions in Minnesota, 1973-1984 43

2 Number of Reported Induced Abortions by Recipients Age, Minnesota, 1984 45

3 Percent of Total Reported Induced Abortions by Weeks of Gestation, Minnesota Residents, 1984 49

4 Percent Distribution of First-Time Abortion Recipients Versus Repeat Abortion Recipients by Age Group, Minnesota Residents, 1984 50

5 Level of Contraceptive Use by Age Group Receiving Induced Abortions, Minnesota Residents, 1984 59

6 Number of Abortions by Month Performed, Minnesota Residents, 1984 60

7 Reported Induced Abortions by County of Residence, Minnesota, 1984 61

8 Certificate of Death 143

9 Certificate of Live Birth 144

10 Certificate of Fetal Death 145

11 Report of Induced Abortion 146

12 First Report of Injury 147

13 Map of Health Districts and Offices 151

****

TECHNICAL NOTES

****

A. CHANGES IN SUMMARY FORMAT

The 1984 annual summary contains several new trend tables as well as two new sections pertaining to pregnancy outcome.

In past years, induced abortions have been analyzed in an annual report entitled "Reported Induced Abortions." Since the material contained in that report is related to other health statistics, incorporation of these statistics into this document appears to be a logical and useful placement.

Another new section entitled "Fertility" resulted from a multitude of requests regarding total pregnancy data. The data included in this section represent the most complete picture of pregnancies to Minnesota residents available at this time. It must be noted that data on miscarriages are not included since those events are not reported to the Department of Health.

The trend tables which have been added to the summary allow comparisons of Minnesota birth, death, marriage and divorce experiences with national data since 1940.

B. SOURCES OF DATA

Vital Events

Birth, death, and fetal death certificates are the source documents for data on vital events of Minnesota residents filed with the Section of Vital Statistics Registration within the Minnesota Department of Health during the 1984 calendar year. A copy of each of these types of certificates is included in Appendix B, Figures 8-10, pages 143-145. Marriage and divorce data are compiled from transmittal documents which are also submitted to the Section of Vital Statistics Registration by each county.

The cut-off date for 1984 vital events data in this report was August 1, 1985. Any data pertaining to a 1984 event for which a certificate was filed after August 1, 1985 are not included in this report. It is possible that future data obtained from the MCHS may differ slightly from that which appears in this report. If this should occur, it is due to an update to the 1984 data year which was made after the August 1 deadline.

Events relating to Minnesota residents which occurred in another state are included in this report.[1] The inclusion of these data is made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors.

Reported Induced Abortions

The Minnesota Abortions Surveillance is a statewide reporting system involving provider agencies throughout Minnesota. Follow-up to facilities known to perform abortions procedures has been conducted to enlist all possible sources of abortion data, yielding the present 25 data providers enrolled in the system. A "Report of Induced Abortion" form is completed by provider agency staff for each abortion performed. A sample copy of the report form is included in Appendix B, Figure 11, page 146.

Population

The 1984 population data used in this publication (by age, sex and county) are estimates produced by the Minnesota Center for Health Statistics. The estimates are developed using the following procedures:

1) The 1983 population estimates are used as a starting point for the 1984 estimates. Data are aggregated by county, sex, and single year of age.

2) The estimates are modified to account for age-specific natural increase. 1984 deaths are subtracted from the 1983 population by age, sex and county. The entire population is then aged one year from 1983, and 1984 births are added in as 1984 infants (i.e., less than one year of age).

3) The preliminary estimates from step 2 are adjusted to agree with the total county estimates developed by the Office of State Demographer within the Minnesota State Planning Agency.

4) Adjustments are again made in the age/sex estimates to reconcile the 65 and over population estimate to equal the United States Census Bureau's 1984 population estimate. County totals for the cohort aged 65 and over are developed by applying the proportion of the county's 65 and over population reported in the 1980 census to the 1984 estimate of population aged 65 and older. Differences between the preliminary and the adjusted 65 and over population are then proportionately subtracted from the other age

---

[1] No marriage and divorce reports are included in the interstate exchange program for vital events. Hence all marriage and divorce data are Minnesota occurrences.

cohorts. County totals remain identical to the State Demographer's totals.

Occupational Injuries and Illnesses

The basic source document for the Supplementary Data System (SDS) of occupational injuries and illnesses is the "First Report of Injury" submitted by employers to the Minnesota Department of Labor and Industry, Worker's Compensation Division. A copy of the "First Report of Injury" is included in Appendix B, Figure 12, page 147.

The Supplementary Data System covers all employees in the state who fall within the scope of the Worker's Compensation Act. This excludes railroads in interstate commerce, certain farm operations, casual employment not in the usual course of trade or business, and household workers earning less than $500 per quarter. Any work-related illnesses or injuries which cause a loss of three or more days of work are required to be reported.

C. DATA QUALITY

Vital Events

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates. The MDH works to ensure that the information received is as complete and accurate as possible, and maintains two major program operations related to improving the quality of information received on certificates.

The query program is a system used to contact hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-up contact is usually done by telephone and is based both on a manual and computer editing procedures.

The field program attempts to improve certificate information by educating participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations and makes site visits when problems with registration relating to a particular event, area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Minnesota's coding of statistical data. NCHS has established a two percent upper limit for coding differences involving any one data item, with the exception of cause of death. A five percent limit is established for this item due to the complexity of the coding process.

The Minnesota Department of Health implemented multiple cause coding on death certificates for the final quarter of 1983. All factors contributing to the death which are mentioned on the death certificate are coded using the Ninth Revision of the International Classification of

Diseases (ICD-9) and underlying cause is determined through a series of special computer programs--the Automated Classification of Medical Entities (ACME).

The ACME system provides not only traditional underlying cause statistics, but also multiple cause data which may be tailored for other indepth research and analysis. Planning is underway for future analyses and publication of multiple cause data.

In order to conform to the National Center for Disease Control's changes in cause of death terminology regarding violent deaths, some changes in cause of death labels have been incorporated into the 1984 death tables. Cause of death labels which previously contained the term "accidents" have been changed to "unintentional injury." This change only effects terminology, as no change in actual ICD coding has occurred.

Due to a modification of the birth certificate, the item "Other Significant Conditions of Child" is presently coded to include all conditions of significance to the child at birth and is not limited to birth injuries as was the case prior to 1981. Please note that tables of selected natality statistics will reflect this change in definition and that statistics pertaining to this item show major increases since 1980.

Another item to note is that all natality tables which include birth weight specific data were modified in 1983 to provide statistics for identification of live births under 2,500 grams. The tables affected are Tables 9, 10 and 36. This modification was necessary for compliance with national standards which define low birth weight as less than 2,500 grams.

Reported Induced Abortions

The quality of data pertaining to induced abortions is dependent on the completeness and accuracy of the report forms submitted by provider facilities. A combination of computer and manual editing enables MCHS personnel to identify errors on records and take the necessary steps to correct them. Year-end reports are prepared for individual provider facilities to allow them to make comparisons with their own records and to report differences to MCHS. MCHS then studies the differences and makes necessary adjustments to finalize the data.

Interpretation of data privacy regulations in 1979 caused changes in administrative record keeping by abortion providers. The new records management systems made it very difficult to match the "Report of Induced Abortion" forms to individual patient records due to lack of unique identifiers. These changes created a greater margin for error in reporting since facilities are unable to easily locate individual records for correction of questionable reports.

In 1984 a revised reporting form was introduced. Changes were made in three data categories: contraceptive use, abortion method, and complications or failures. The changes were made in order to clarify data, simplify reporting, and reduce errors.

Prior to 1984 the "Report of Induced Abortion" form requested information on clients' reported contraceptive use. The five responses on the form were: "never used," "have used but discontinued use," "was using at conception" (method failure), "use status unknown," and "interrupted use" (intended to differentiate between human error or the choice not to contracept and method failures). Both the "interrupted use" and "method failure" response asked for further information on the type of contraception used as indicated by the client. For that reason, retrieval of data on "method failures" by type of contraception was not possible since "interrupted use" cannot be considered actual method failure.

In order to collect data on method failures only, in 1984 the contraceptive use category was modified to report use "at time of conception" only. Four responses are now offered: "unknown," "never used," "have used but not at conception," and "method use at conception" (method failure). Only the fourth response, "method failure" requires further action relative to type of contraceptive used. This restructuring of requested information clarifies the contraceptive method data reported.

In 1984, the list of contraceptive methods was also revised: oral contraceptives were broken down into combination pills and mini-pills; the sponge, cervical cap, fertility awareness, and spermicidal jelly/cream (alone) were added; and the "none" category was eliminated.

Also in 1984, response choices in the Abortion Method category were rearranged and the names of the methods updated. The "combination" response was eliminated and replaced with "other (please specify)______." These changes allow for easier correction and verification of questionable responses.

The Complications or Failures category was restructured into minor (did not require hospitalization) and major (did require hospitalization) with treatment options offered for each as a means of verifying coding intentions. The complications response choices remained unchanged, with two responses (heavy bleeding/hemorrhage and infection) listed under both "minor" and "major" complications. These changes and the differences between minor and major complications were determined with the assistance of provider agencies' staff.

Please note that tables included in this report may have data suppressed in order to preserve confidentiality of abortion recipients.

Population

The 1984 population estimates used are the only known source of population data by age group, sex and county available at the time of publication of this report. In 1980, the census data were used to estimate the state population. These data were considered to be highly accurate due to various checking and follow-up procedures. The 1981 through 1984 estimates are postcensal estimates, and a modified version of the cohort-component method was used to obtain them. This is an established method of estimating population and is normally very accurate if birth, death, census and migration data are of good quality. Although these estimates are not as accurate as an actual census, they are still very useful estimators of the actual population of Minnesota. All rates in this publication have been calculated using these 1984 population estimates as a denominator.

It is important to note that 1984 age/sex estimates were adjusted to account for apparent underestimation of the 65 and over population. Therefore, caution is advised in interpreting changes in age-specific rates, since the differences may be artifacts rather than meaningful observations.

Occupational Injuries and Illnesses

Nature of Injury or Illness, Source of Injury or Illness, Type of Accident and Part of Body affected are coded according to ANSIZ 16.2--1962 "Method of Recording Basic Facts Relating to the Nature and Occurrence of Work Injuries." Occupations are coded using Census Bureau Codes. Industries are coded using four digit Standard Industry Classification Codes.

The quality of occupational injuries and illnesses estimates is related to the completeness and the accuracy of coding the "First Report of Injury." Extensive input editing by computer entry programs is performed on basic codes. Also, periodic reviews by Regional Bureau of Labor Statistics personnel are performed to audit the coding function.

D. GEOGRAPHIC ALLOCATION

Vital Events

Vital events can be classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state, county and minor civil division in which the birth or death took place. The second and more customary way is by place of residence, i.e, the state, county and minor civil division stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are by far the more useful tool when constructing health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it is seldom possible to allocate the event to a specific township or the correct minor civil division, if this information is not supplied. How often incorrect information on residence is recorded is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant.

This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are, for all practical purposes, very accurate. County resident figures are substantially correct and can be used with a high degree of confidence.

Each of Minnesota's 87 counties is classified into one of eight health districts, the borders of which can be made to correspond to a Health Systems Agency (HSA). The Health Systems Agencies, established under PL 93-641, are regional agencies designated for the planning and development of health services. Some data presented in this report are aggregated by MDH health district. Appendix D is a map showing the county distribution of the health districts and health service areas in Minnesota.

Reported Induced Abortions

Data on induced abortions are collected and coded to the county and minor civil division of residence of the recipient. The quality of geographic allocation is highly suspect due to the dependence on the patients' responses at the time of the procedure.

This report does not include county level tables due to the chance of inadvertent disclosure of individual identity. However, a map illustrating county totals in ranges is included as Figure 7, page 61.

Population

The 1984 population estimates by age group and sex are available at the state and county level, as well as estimates for Minneapolis, St. Paul and Duluth. Estimates of the 1984 population of every city and township outside the seven-county Twin Cities Metropolitan Area were created by the Office of the State Demographer. These estimates, however, are not broken down by age group or sex. Estimates of population of cities and townships inside the seven-county Twin Cities Metropolitan Area were created by the Metropolitan Council.

E. DEFINITIONS OF RATES

Absolute counts of health-related events do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions, and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, a rate, a ratio, or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specified time.

The following types of rates are used in this report:

ABORTION RATE: The number of induced abortions per 1,000 females in the population of age 15 through 44 years.

AGE/CAUSE SPECIFIC DEATH RATE: Number of deaths from a specified cause within a specified age group per 100,000 population in the same age group.

AGE/SEX ADJUSTED DEATH RATE: Total rates for counties and cities are adjusted for age and sex on the basis of the state population.

AGE-SPECIFIC PREGNANCY RATE: Number of live births plus fetal deaths plus induced abortions to women in a specified age group per 1,000 females in the population comprising the same specified age group.

CRUDE BIRTH RATE: Number of live births per 1,000 population.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

FERTILITY RATE: Total number of live births per 1,000 females in the population of age 15 through 44 years.

INFANT DEATH RATE: Deaths under one year of age per 1,000 live births.

NEONATAL DEATH RATE: Number of infants dying under 28 days of age per 1,000 live births.

OCCUPATIONAL INJURY AND ILLNESS RATE: Number of reported injuries or illnesses in a given industrial category per 1,000 workers in the same industrial category. State rate is calculated excluding agricultural categories.

PERINATAL DEATH RATE: Number of fetal deaths of 20 weeks or more gestation plus the number of neonatal deaths (deaths to infants under 28 days of age) per 1,000 live births.

PREGNANCY RATE: Number of live births plus the number of fetal deaths plus the number of induced abortions per 1,000 females in the population of age 15 through 44 years.

SEX ADJUSTED-AGE SPECIFIC DEATH RATE: Specific age group rates for counties and cities have been adjusted for sex on the basis of the state population for the specific age group.

Overview of 1984 Vital Statistics

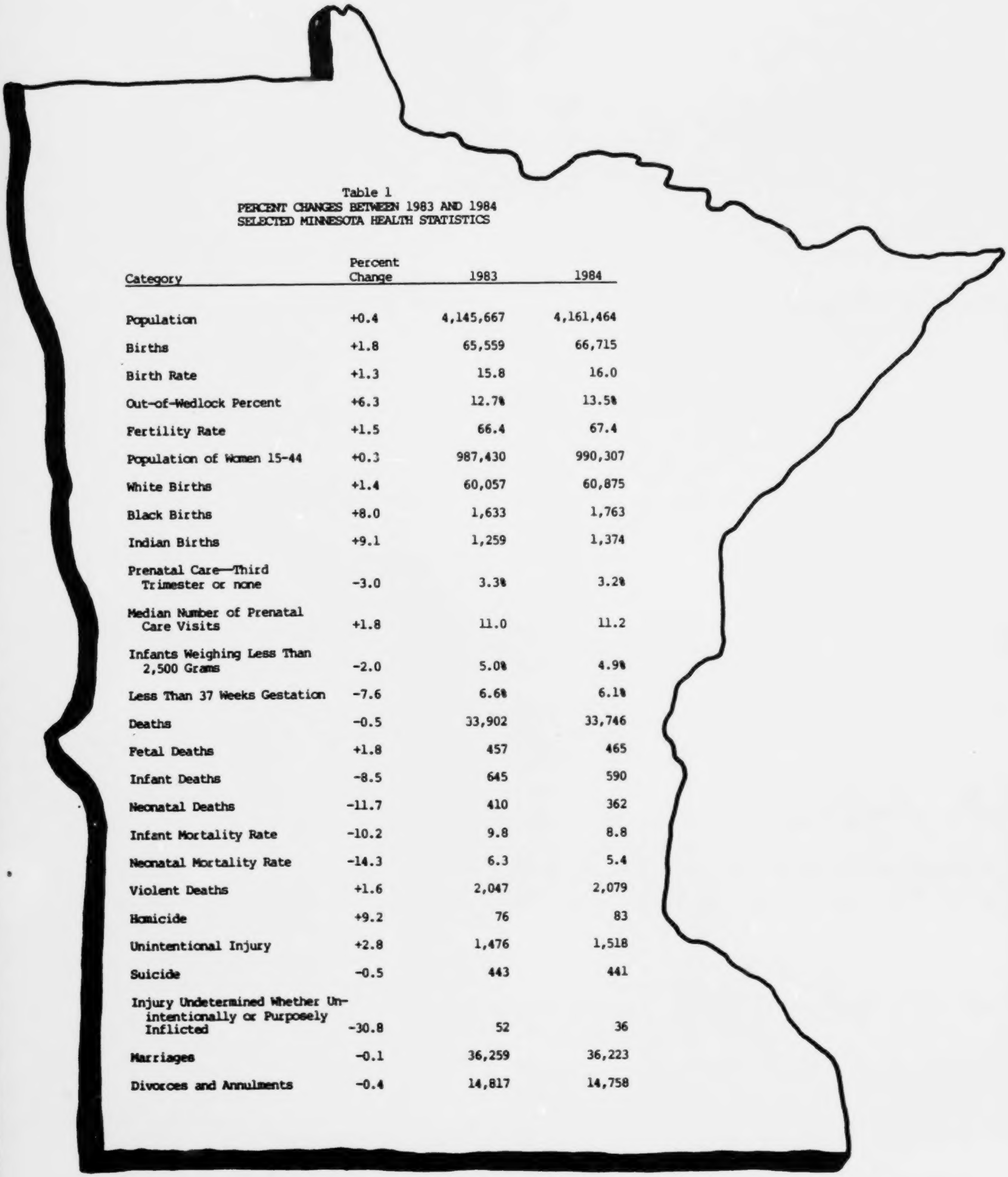


Table 1
PERCENT CHANGES BETWEEN 1983 AND 1984
SELECTED MINNESOTA HEALTH STATISTICS

Category	Percent Change	1983	1984
Population	+0.4	4,145,667	4,161,464
Births	+1.8	65,559	66,715
Birth Rate	+1.3	15.8	16.0
Out-of-Wedlock Percent	+6.3	12.7%	13.5%
Fertility Rate	+1.5	66.4	67.4
Population of Women 15-44	+0.3	987,430	990,307
White Births	+1.4	60,057	60,875
Black Births	+8.0	1,633	1,763
Indian Births	+9.1	1,259	1,374
Prenatal Care—Third Trimester or none	-3.0	3.3%	3.2%
Median Number of Prenatal Care Visits	+1.8	11.0	11.2
Infants Weighing Less Than 2,500 Grams	-2.0	5.0%	4.9%
Less Than 37 Weeks Gestation	-7.6	6.6%	6.1%
Deaths	-0.5	33,902	33,746
Fetal Deaths	+1.8	457	465
Infant Deaths	-8.5	645	590
Neonatal Deaths	-11.7	410	362
Infant Mortality Rate	-10.2	9.8	8.8
Neonatal Mortality Rate	-14.3	6.3	5.4
Violent Deaths	+1.6	2,047	2,079
Homicide	+9.2	76	83
Unintentional Injury	+2.8	1,476	1,518
Suicide	-0.5	443	441
Injury Undetermined Whether Unintentionally or Purposely Inflicted	-30.8	52	36
Marriages	-0.1	36,259	36,223
Divorces and Annulments	-0.4	14,817	14,758

Table 2
RESIDENT LIVE BIRTHS, CRUDE BIRTH RATES*, AND FERTILITY RATES**, MINNESOTA AND UNITED STATES, 1940, 1945, 1950, 1955, 1960, 1965-1984

	Live Births		Crude Birth Rate*		Fertility Rate**	
Year	Minnesota	United States	Minnesota	United States	Minnesota	United States
1940	52,915	2,559,000	19.0	19.4	81.0	79.9
1945	54,656	2,858,000	20.9	20.4	85.1	85.9
1950	75,078	3,632,000	25.2	24.1	119.1	106.2
1955	81,532	4,097,000	25.7	25.0	130.1	118.3
1960	87,523	4,257,850	25.6	23.7	136.0	118.0
1965	70,810	3,760,358	19.7	19.4	105.9	96.3
1966	66,781	3,606,274	18.5	18.4	96.0	90.8
1967	64,532	3,520,959	17.6	17.8	96.8	87.2
1968	64,759	3,501,564	17.5	17.6	93.2	85.2
1969	65,961	3,600,206	17.6	17.9	90.5	86.1
1970	68,449	3,731,386	18.0	18.4	88.4	87.9
1971	62,498	3,555,970	16.2	17.2	78.2	81.6
1972	56,395	3,258,411	14.5	15.6	69.6	73.1
1973	53,783	3,136,965	13.8	14.8	65.4	68.8
1974	55,753	3,159,958	14.2	14.8	66.8	67.8
1975	56,463	3,144,198	14.4	14.6	65.1	66.0
1976	56,599	3,167,788	14.3	14.6	63.7	65.0
1977	60,284	3,326,632	15.2	15.1	66.4	66.8
1978	61,977	3,333,279	15.5	15.0	66.7	65.5
1979	65,325	3,494,398	16.1	15.6	68.4	67.2
1980	67,843	3,612,258	16.6	15.9	70.8	68.4
1981	68,652	3,629,238	16.7	15.8	70.8	67.4
1982	68,512	3,680,537	16.6	15.9	69.8	67.3
1983	65,559	3,638,933	15.8	15.5	66.4	65.8
1984	66,715	3,669,141	16.0	15.5	67.4	65.4

* Live Births per 1,000 Population
** Live Births per 1,000 Female Population of Ages 15-44

Table 3
NUMBERS AND RATES OF RESIDENT LIVE BIRTHS, DEATHS, AND MATERNAL DEATHS
MINNESOTA AND UNITED STATES,
1940, 1945, 1950, 1955, 1960, 1965-1984

	Live Births				Deaths				Maternal Deaths			
	Minnesota		United States		Minnesota		United States		Minnesota		United States	
Year	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate**	Number	Rate***	Number	Rate***
1940	52,915	19.0	2,559,000	19.4	26,354	9.4	1,417,269	10.8	115	217.3	8,876	376.0
1945	54,656	20.9	2,858,000	20.4	26,763	10.2	1,401,719	10.6	75	137.2	5,668	207.2
1950	75,078	25.2	3,632,000	24.1	27,897	9.4	1,452,454	9.6	43	57.3	2,960	83.3
1955	81,532	25.7	4,097,000	25.0	28,574	9.0	1,528,717	9.3	27	33.1	1,901	47.0
1960	87,523	25.6	4,257,850	23.7	31,596	9.3	1,711,982	9.5	13	14.9	1,579	37.1
1965	70,810	19.7	3,760,358	19.4	32,477	9.0	1,828,136	9.4	12	16.8	1,189	31.6
1966	66,781	18.5	3,606,274	18.4	33,222	9.2	1,863,149	9.5	12	18.0	1,049	29.1
1967	64,532	17.6	3,520,959	17.8	32,917	9.0	1,851,323	9.4	6	9.3	987	28.0
1968	64,759	17.5	3,501,564	17.6	33,890	9.2	1,930,082	9.7	5	7.7	859	24.5
1969	65,961	17.6	3,600,206	17.9	33,791	9.0	1,921,990	9.5	11	16.7	801	22.2
1970	68,449	18.0	3,731,386	18.4	33,919	8.9	1,921,031	9.5	9	13.1	803	21.5
1971	62,498	16.2	3,555,970	17.2	33,871	8.8	1,927,542	9.3	14	22.4	668	18.8
1972	56,395	14.5	3,258,411	15.6	34,565	8.9	1,963,944	9.4	4	7.1	612	18.8
1973	53,783	13.8	3,136,965	14.8	33,899	8.7	1,973,003	9.3	4	7.4	477	15.2
1974	55,753	14.2	3,159,958	14.8	33,501	8.6	1,934,388	9.1	4	7.2	462	14.6
1975	56,463	14.4	3,144,198	14.6	32,686	8.3	1,892,879	8.8	3	5.3	403	12.8
1976	56,599	14.3	3,167,788	14.6	32,798	8.3	1,909,440	8.8	2	3.5	390	12.3
1977	60,284	15.2	3,326,632	15.1	32,281	8.1	1,899,597	8.6	4	6.6	373	11.2
1978	61,977	15.5	3,333,279	15.0	33,312	8.3	1,927,788	8.7	6	9.7	321	9.6
1979	65,325	16.1	3,494,398	15.6	32,082	7.9	1,913,841	8.5	3	4.6	336	9.6
1980	67,843	16.6	3,612,258	15.9	33,415	8.2	1,989,841	8.8	4	5.9	334	9.2
1981	68,652	16.7	3,629,238	15.8	32,815	8.0	1,977,981	8.6	2	2.9	309	8.5
1982	68,512	16.6	3,680,537	15.9	32,976	8.0	1,974,797	8.5	3	4.4	292	7.9
1983	65,559	15.8	3,638,933	15.5	33,902	8.2	2,019,201	8.6	2	3.1	290	8.0
1984	66,715	16.0	3,669,141	15.5	33,746	8.1	2,047,000+	8.7+	5	7.5	220+	6.0+

---

* Live Births per 1,000 Population

** Deaths per 1,000 Population

*** Maternal Deaths per 100,000 Live Births

+ Provisional Data

Table 4
NUMBERS AND RATES OF INFANT DEATHS, NEONATAL DEATHS, AND FETAL DEATHS
MINNESOTA AND UNITED STATES,
1940, 1945, 1950, 1955, 1960, 1965-1984

	Infant Deaths				Neonatal Deaths				Fetal Deaths			
	Minnesota		United States		Minnesota		United States		Minnesota		United States	
Year	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate**	Number	Rate***	Number	Rate***
1940	1,758	33.2	110,984	47.0	1,246+	23.4	67,866	28.8	1,144+	21.5	73,802	31.3
1945	1,698	31.1	104,684	38.3	1,226+	22.6	66,593	24.3	1,141	20.9	65,513	23.9
1950	1,876	25.0	103,825	29.2	1,430	19.0	72,855	20.5	1,208	16.1	68,262	19.2
1955	1,779	21.8	106,903	26.4	1,386	17.0	77,351	19.1	1,173	14.4	69,153	17.1
1960	1,881	21.5	110,873	26.0	1,397	16.0	79,733	18.7	1,058	12.1	68,480	16.1
1965	1,432	20.2	92,866	24.7	1,075	15.2	66,419	17.7	921	13.0	60,859	16.2
1966	1,299	19.5	85,516	23.7	987	14.8	61,941	17.2	819	12.3	56,637	15.7
1967	1,288	20.0	79,028	22.4	980	15.2	58,127	16.5	712	11.0	54,934	15.6
1968	1,192	18.4	76,263	21.8	894	13.8	56,456	16.1	740	11.4	55,293	15.8
1969	1,110	16.8	75,073	20.9	876	13.3	56,085	15.6	681	10.3	50,749	14.1
1970	1,203	17.6	74,667	20.0	944	13.8	56,279	15.1	705	10.3	52,961	14.2
1971	1,081	17.3	67,981	19.1	829	13.3	50,496	14.2	594	9.5	47,818	13.4
1972	946	16.8	60,182	18.5	704	12.5	44,432	13.6	533	9.5	41,380	12.7
1973	831	15.5	55,581	17.7	630	11.7	40,664	13.0	481	8.9	38,309	12.2
1974	809	14.5	52,776	16.7	598	10.7	38,738	12.3	523	9.4	36,281	11.5
1975	771	13.7	50,525	16.1	582	10.3	36,416	11.6	479	8.5	33,796	10.7
1976	789	13.9	48,265	15.2	565	10.9	34,587	10.9	487	8.6	33,111	10.5
1977	664	11.0	46,975	14.1	478	7.9	32,860	9.9	471	7.8	33,053	9.9
1978	739	11.9	45,945	13.8	513	8.3	31,618	9.5	468	7.6	32,301	9.7
1979	700	10.7	45,665	13.1	469	7.2	30,980	8.9	445	6.8	32,969	9.4
1980	679	10.0	45,526	12.6	421	6.2	30,618	8.5	449	6.6	33,353	9.2
1981	701	10.2	43,305	11.9	448	6.5	29,121	8.0	461	6.7	32,596	9.0
1982	645	9.4	42,401	11.5	402	5.9	28,335	7.7	429	6.3	NA	NA
1983	645	9.8	40,627	11.2	410	6.3	26,507	7.3	457	7.0	NA	NA
1984	590	8.8	39,200‡	10.6‡	362	5.4	25,365‡	6.9‡	465	7.0	NA	NA

---

* Infant Deaths per 1,000 Live Births
** Neonatal Deaths per 1,000 Live Births
*** Fetal Deaths per 1,000 Live Births
+ Place of Occurrence
‡ Provisional Data

Table 5
MARRIAGES AND DIVORCES AND ANNULMENTS, NUMBERS AND RATES*
MINNESOTA AND UNITED STATES, 1940, 1945, 1950, 1955, 1960, 1965-1984

	Marriages				Divorces			
	Minnesota		United States		Minnesota		United States	
	#	Rate*	#	Rate*	#	Rate**	#	Rate**
1940	27,419	9.8	1,595,879	12.1	2,957	1.1	264,000	2.0
1945	26,195	10.0	1,612,992	12.2	5,326	2.0	485,000	3.5
1950	30,991	10.4	1,667,231	11.1	4,049	1.4	385,000	2.6
1955	24,854	7.8	1,531,000	9.3	3,757	1.2	377,000	2.3
1960	23,596	6.9	1,523,000	8.5	4,175	1.2	393,000	2.2
1965	26,472	7.4	1,800,000	9.3	4,848	1.3	479,000	2.5
1966	26,566	7.3	1,857,000	9.5	5,457	1.5	499,000	2.5
1967	28,163	7.7	1,927,000	9.7	6,148	1.7	523,000	2.6
1968	30,671	8.3	2,069,000	10.4	6,646	1.8	584,000	2.9
1969	31,971	8.5	2,145,000	10.6	7,496	2.0	639,000	3.2
1970	31,280	8.2	2,158,802	10.6	8,221	2.2	708,000	3.5
1971	31,196	8.1	2,190,481	10.6	9,494	2.5	773,000	3.7
1972	32,227	8.3	2,282,154	10.9	10,214	2.6	845,000	4.0
1973	32,996	8.5	2,284,108	10.8	11,113	2.9	915,000	4.3
1974	33,547	8.6	2,229,667	10.5	12,204	3.1	977,000	4.6
1975	32,237	8.2	2,152,662	10.0	13,147	3.3	1,036,000	4.8
1976	32,027	8.1	2,154,807	9.9	13,764	3.5	1,083,000	5.0
1977	33,040	8.3	2,178,367	9.9	13,852	3.5	1,091,000	5.0
1978	33,480	8.4	2,282,272	10.3	14,183	3.5	1,130,000	5.1
1979	37,020	9.1	2,331,337	10.4	14,542	3.6	1,181,000	5.3
1980	37,625	9.2	2,390,252	10.6	15,092	3.7	1,189,000	5.2
1981	37,638	9.2	2,422,145	10.6	16,329	4.0	1,213,000	5.3
1982	37,409	9.1	2,456,278	10.6	15,177	3.7	1,170,000	5.0
1983	36,259	8.7	2,445,604	10.5	14,789	3.6	1,158,000	4.9
1984	36,223	8.7	2,487,000***	10.5***	14,758	3.5	1,155,000***	4.9***

* Marriages per 1,000 Population
** Divorces and Annulments per 1,000 Population
*** Provisional Data

Table 6

BIRTHS, DEATHS, INFANT DEATHS, FETAL DEATHS, MARRIAGES, DIVORCES AND ANNULMENTS BY MONTH
MINNESOTA OCCURRENCES, 1984

	BIRTHS	DEATHS	INFANT DEATHS	FETAL DEATHS	MARRIAGES	DIVORCES AND ANNULMENTS
TOTAL	67,040	34,003	635	483	36,223	14,758
JANUARY	5,095	2,902	50	40	1,145	1,111
FEBRUARY	5,272	2,734	61	26	1,437	1,159
MARCH	5,778	2,870	53	42	1,820	1,252
APRIL	5,452	2,791	64	36	2,231	1,130
MAY	5,732	2,959	64	56	3,435	1,262
JUNE	5,544	2,764	35	45	5,762	1,224
JULY	5,802	2,636	46	43	3,246	1,155
AUGUST	5,971	2,757	48	44	4,416	1,386
SEPTEMBER	5,911	2,716	47	34	4,920	1,075
OCTOBER	5,741	2,815	61	36	3,324	1,333
NOVEMBER	5,301	2,912	37	52	2,165	1,258
DECEMBER	5,441	3,147	69	29	2,322	1,411
UNKNOWN	-	-	-	-	-	2

Table 7
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1984

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Afton	29	-	9	-	-
Albert Lea	262	2	266	-	-
Alexandria	123	-	170	3	2
Andover	117	2	20	3	3
Anoka	351	2	129	1	1
Apple Valley	441	1	50	3	2
Arden Hills	116	1	87	-	-
Aurora	24	-	32	-	-
Austin	338	3	279	2	2
Baxter	24	1	9	1	-
Bayport	31	-	19	-	-
Belle Plaine	51	-	42	-	-
Bemidji	171	-	110	1	-
Benson	53	1	64	1	1
Blaine	657	4	72	5	5
Bloomington	1,099	3	452	7	2
Blue Earth	61	-	94	-	-
Brainerd	256	-	164	3	1
Breckenridge	58	-	45	-	-
Brooklyn Center	412	1	177	1	1
Brooklyn Park	1,070	6	145	11	6
Buffalo	119	1	80	1	1
Burnsville	622	3	99	2	1
Caledonia	48	-	39	-	-
Cambridge	60	1	80	1	1
Cannon Falls	68	-	45	3	-
Champlin	217	3	27	-	-
Chanhassen	115	-	20	1	-
Chaska	210	4	55	5	4
Chisholm	75	-	72	-	-
Circle Pines	100	-	11	1	1
Cloquet	162	-	135	2	1
Columbia Heights	277	-	151	-	-
Coon Rapids	767	4	141	10	6
Corcoran	98	-	9	1	-
Cottage Grove	362	1	42	5	5
Crookston	139	-	89	2	1
Crystal	325	2	175	2	1
Dayton	37	-	18	3	-
Deephaven	35	2	17	-	-
Detroit Lakes	133	1	123	-	-
Dilworth	44	-	23	1	-
Duluth	1,297	10	1,023	14	11
Eagan	598	3	47	5	2
East Bethel	81	1	18	-	-
East Grand Forks	188	-	101	1	1
Eden Prairie	409	1	66	3	3
Edina	415	2	422	4	3
Elk River	149	1	46	1	1
Ely	38	-	72	1	1

Table 7
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1984 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Eveleth	69	-	65	1	1
Excelsior	69	-	38	1	1
Fairmont	172	1	153	-	-
Falcon Heights	102	-	34	-	-
Faribault	250	2	182	2	-
Farmington	119	-	41	-	-
Fergus Falls	154	-	176	2	-
Forest Lake	154	-	65	1	1
Fridley	449	3	140	8	5
Gilbert	32	-	25	2	1
Glencoe	60	1	49	1	-
Glenwood	31	-	66	1	1
Golden Valley	232	1	180	1	1
Goodview	5	-	7	-	-
Grand Rapids	144	-	113	3	3
Granite Falls	50	-	48	1	-
Ham Lake	120	-	18	2	2
Hastings	247	1	108	1	-
Hermantown	22	-	19	2	1
Hibbing	238	1	214	3	2
Hopkins	249	-	168	1	-
Hoyt Lakes	24	-	14	-	-
Hugo	58	1	8	-	-
Hutchinson	172	-	98	1	1
Independence	23	-	7	-	-
International Falls	116	-	87	-	-
Inver Grove Heights	386	6	80	4	2
Jackson	54	-	50	2	1
Jordan	73	-	23	-	-
Kasson	66	-	12	-	-
La Crescent	76	-	24	2	-
Lake City	56	-	52	1	-
Lake Elmo	98	-	16	-	-
Lakeville	287	1	42	6	1
Le Sueur	68	1	51	-	-
Lino Lakes	123	-	14	-	-
Litchfield	93	2	82	1	1
Little Canada	116	1	49	1	1
Little Falls	125	1	128	1	1
Long Prairie	52	-	52	1	-
Luverne	84	-	58	2	2
Mahtomedi	66	-	17	-	-
Mankato	426	3	199	3	2
Maple Grove	608	4	52	6	4
Maplewood	408	5	226	8	3
Marshall	191	1	87	2	-
Medina	38	1	9	-	-
Mendota Heights	85	-	37	-	-
Minneapolis	6,299	53	3,925	59	33
Minnetonka	527	4	186	8	7

Table 7
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1984 (CONT.)

Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Minnetrista	27	-	7	-	-
Montevideo	83	1	69	-	-
Monticello	107	-	27	2	2
Moorhead	436	3	221	4	4
Mora	26	-	54	-	-
Morris	70	-	70	1	-
Mound	198	2	59	1	-
Mounds View	214	-	35	1	1
Mountain Iron	40	-	18	-	-
New Brighton	352	6	120	4	3
New Hope	310	4	210	6	4
New Prague	55	-	55	-	-
New Ulm	222	-	123	3	1
Newport	67	-	19	1	-
North Mankato	210	-	52	1	-
North Oaks	17	-	8	-	-
North St. Paul	221	1	87	4	4
Northfield	161	-	121	3	3
Oak Park Heights	7	-	11	-	-
Oakdale	190	-	45	2	1
Olivia	56	-	29	-	-
Orono	67	-	23	-	-
Ortonville	38	-	45	1	1
Osseo	52	-	47	1	1
Owatonna	288	6	158	2	1
Park Rapids	43	-	95	-	-
Pipestone	69	-	80	-	-
Plymouth	574	3	114	4	3
Princeton	66	5	54	-	-
Prior Lake	180	4	29	-	-
Proctor	45	-	34	1	1
Ramsey	122	-	17	3	1
Red Wing	182	1	180	3	3
Redwood Falls	65	-	59	1	1
Richfield	515	2	269	3	3
Robbinsdale	201	2	140	2	2
Rochester	1,296	12	477	15	10
Rosemount	142	-	39	3	2
Roseville	385	1	271	2	2
S. International Falls	23	-	11	-	-
S. St. Paul	357	1	171	2	1
Sartell	89	-	44	1	1
Sauk Centre	69	-	52	1	1
Sauk Rapids	134	1	68	-	-
Savage	158	1	81	-	-
Shakopee	206	1	65	4	2
Shoreview	327	3	84	1	1
Shorewood	50	-	14	-	-
Silver Bay	21	-	16	1	1
Sleepy Eye	55	1	49	-	-

Table 7
LIVE BIRTHS, FETAL DEATHS, DEATHS, INFANT DEATHS, AND NEONATAL DEATHS BY URBAN AREA OF RESIDENCE, MINNESOTA, 1984 (CONT.)

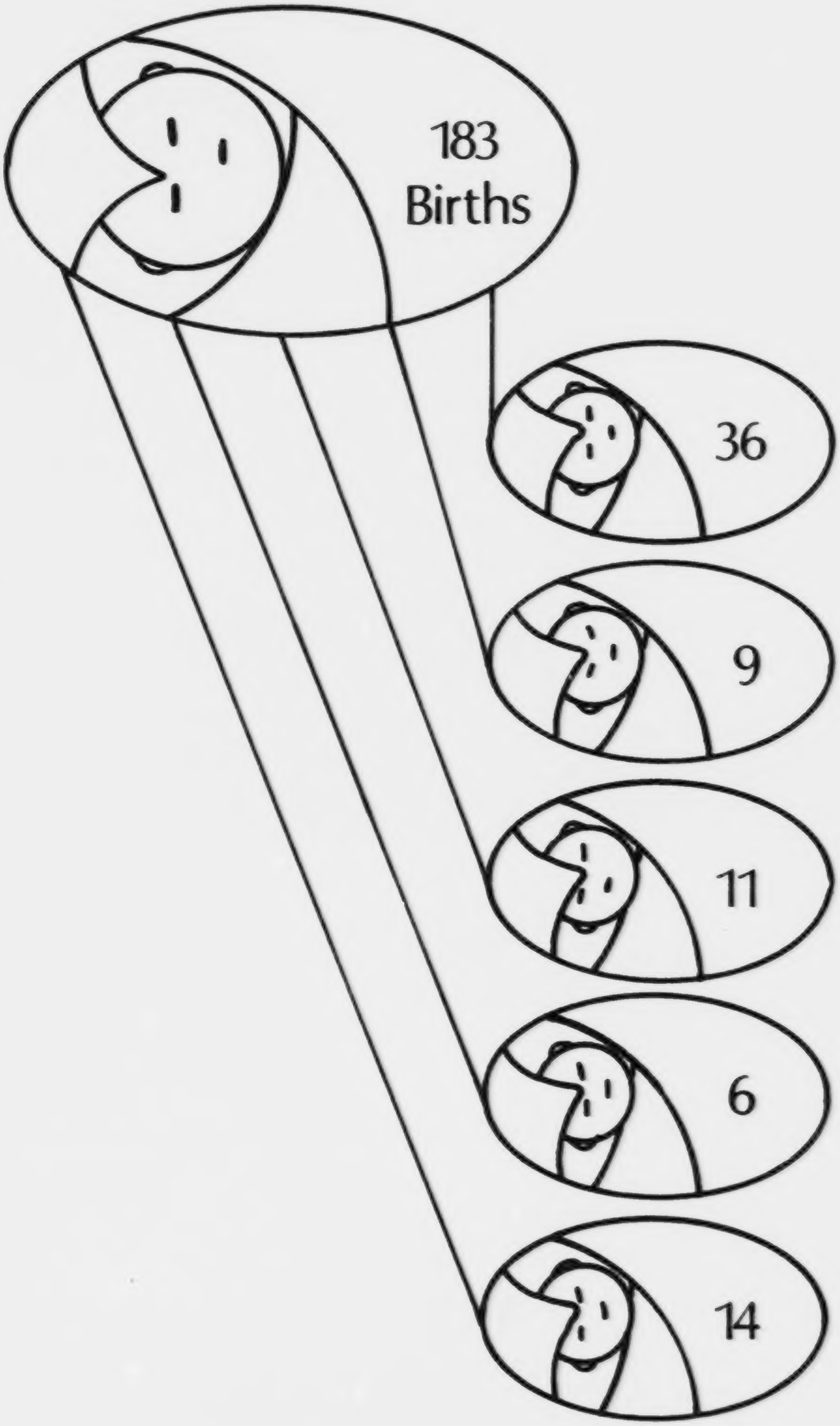
Urban Area*	Live Births	Fetal Deaths	Deaths	Infant Deaths	Neonatal Deaths
Spring Lake Park	89	1	26	1	1
Spring Valley	45	-	45	-	-
St. Anthony	65	-	62	2	1
St. Cloud	719	1	315	5	1
St. James	66	1	54	1	-
St. Joseph	40	-	11	1	-
St. Louis Park	638	2	431	7	5
St. Paul	5,034	43	2,663	53	37
St. Paul Park	89	-	29	-	-
St. Peter	113	-	68	2	2
Staples	60	1	56	1	-
Stewartville	105	1	42	1	-
Stillwater	237	4	137	1	-
Thief River Falls	128	2	116	-	-
Two Harbors	50	-	76	-	-
Vadnais Heights	226	1	22	2	1
Virginia	127	1	142	-	-
Waconia	37	2	29	-	-
Wadena	55	1	61	-	-
Waite Park	76	-	25	-	-
Waseca	157	1	79	4	3
Wayzata	64	-	52	1	-
Wells	36	-	42	2	2
West St. Paul	245	4	216	2	-
White Bear Lake	447	2	141	2	2
Willmar	265	3	155	3	3
Windom	66	-	61	-	-
Winona	354	2	281	-	-
Woodbury	219	1	57	-	-
Worthington	128	-	103	-	-

---

* Municipalities with population of 2,500 or more

Live Births

Every day in 1984, residents of Minnesota experienced an average of:



36 High Risk Births

9 Births Weighing Less Than 2,500 Grams

11 Births to Women Aged 35 or Older

6 Births in which Prenatal Care was Initiated Late or Not at All

14 Births to Women Aged 19 or Under

Table 8

LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1984

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	67,040	45,806	19,129	2,105	19,129	1,780	66,715
Aitkin	100	92	8	-	69	1	162
Anoka	3,786	2,236	1,543	7	1,394	4	3,634
Becker	472	369	102	1	92	56	517
Beltrami	851	586	262	3	18	4	608
Benton	1	1	-	-	526	1	528
Big Stone	208	100	28	80	17	2	119
Blue Earth	1,301	774	526	1	55	3	832
Brown	646	433	209	4	40	2	475
Carlton	287	193	93	1	212	1	406
Carver	698	255	441	2	402	1	658
Cass	13	13	-	-	353	-	366
Chippewa	193	125	65	3	90	-	215
Chisago	246	166	72	8	240	56	462
Clay	383	251	61	71	16	427	694
Clearwater	69	62	7	-	71	1	134
Cook	34	31	2	1	22	-	53
Cottonwood	137	105	32	-	65	4	174
Crow Wing	841	637	202	2	49	-	686
Dakota	1,464	1,144	271	49	2,621	7	3,772
Dodge	-	-	-	-	276	-	276
Douglas	537	387	150	-	24	-	411
Faribault	179	142	14	23	139	2	283
Fillmore	82	49	31	2	200	90	339
Freeborn	602	439	111	52	48	7	494
Goodhue	611	407	52	152	204	-	611
Grant	47	40	6	1	52	1	93
Hennepin	19,361	13,698	5,556	107	1,432	29	15,159
Minneapolis	11,014	4,541	6,390	83	1,743	15	6,299
Houston	63	53	9	1	7	210	270
Hubbard	252	126	125	1	65	6	197
Isanti	473	251	222	-	146	3	400
Itasca	629	558	70	1	128	1	687
Jackson	51	46	4	1	101	31	178
Kanabec	219	108	109	2	74	-	182
Kandiyohi	869	556	310	3	28	1	585
Kittson	68	54	12	2	6	17	77
Koochiching	161	157	3	1	28	7	192
Lac Qui Parle	99	91	3	5	54	8	153
Lake	96	69	23	4	68	-	137
Lake of the Woods	58	43	12	3	17	7	67
Le Sueur	85	68	17	-	303	4	375
Lincoln	110	61	19	30	29	4	94
Lyon	420	345	73	2	54	13	412
McLeod	544	368	176	-	111	1	480
Mahnomen	40	28	12	-	50	1	79
Marshall	27	23	3	1	75	70	168
Martin	417	320	38	59	45	6	371
Meeker	197	156	40	1	192	-	348
Mille Lacs	422	238	184	-	72	-	310
Morrison	511	418	88	5	124	1	543
Mower	538	445	75	18	122	7	574

Table 8
LIVE BIRTHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE, RESIDENT LIVE BIRTHS DISTRIBUTED ACCORDING TO PLACE OF BIRTH, MINNESOTA, 1984 (CONT.)

	Births Occurring in County				Resident Births		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	94	83	11	-	83	6	172
Nicollet	133	82	51	-	384	-	466
Nobles	442	233	169	40	36	41	310
Norman	11	6	3	2	44	52	102
Olmsted	2,758	1,764	928	66	15	7	1,786
Otter Tail	622	543	73	6	168	31	742
Pennington	334	189	142	3	3	17	209
Pine	46	45	1	-	268	17	330
Pipestone	137	105	22	10	22	33	160
Polk	335	266	65	4	39	238	543
Pope	112	87	25	-	76	1	164
Ramsey	9,333	5,950	3,143	240	2,131	8	8,089
St. Paul	9,321	4,009	5,072	240	1,020	5	5,034
Red Lake	17	15	2	-	63	3	81
Redwood	192	147	45	-	122	1	270
Renville	169	157	7	5	148	1	306
Rice	626	494	129	3	158	1	653
Rock	215	139	59	17	9	32	180
Roseau	217	187	15	15	39	10	236
St. Louis	3,518	2,701	434	383	63	10	2,774
Duluth	2,368	1,271	717	380	18	8	1,297
Scott	969	493	474	2	407	1	901
Sherburne	4	3	1	-	582	1	586
Sibley	74	69	5	-	142	-	211
Stearns	2,733	1,764	963	6	156	1	1,921
Steele	401	346	55	-	125	-	471
Stevens	176	147	29	-	16	1	164
Swift	127	110	16	1	82	-	192
Todd	222	169	52	1	273	3	445
Traverse	107	57	22	28	20	6	83
Wabasha	238	165	25	48	167	2	334
Wadena	408	163	244	1	56	10	229
Waseca	201	159	40	2	114	1	274
Washington	636	356	142	138	1,511	13	1,880
Watonwan	174	144	29	1	44	-	188
Wilkin	406	93	14	299	15	13	121
Winona	591	479	47	65	91	120	690
Wright	544	442	102	-	762	2	1,206
Yellow Medicine	220	137	74	9	67	-	204
Unknown	-	-	-	-	2	-	2

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1984

	State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
Live Births	66,715**	162	3,634	517	608	528	119	832
Fertility Rate	67.4	62.2	64.6	77.0	73.2	83.6	78.3	60.5
Birth Rate	16.0	12.1	17.2	16.5	18.2	19.8	14.7	15.7
Sex: Male	34,077**	74	1,856	253	293	263	68	418
Female	32,638**	88	1,778	264	315	265	51	414
Out-of-Wedlock, Percent	13.5	16.7	12.3	20.1	29.4	9.8	10.9	11.7
Race: White	60,875	153	2,923	440	422	524	116	814
Black	1,763	1	10	-	-	2	-	6
Indian	1,374	8	23	75	183	1	3	3
Live Birth Order								
Median	2.3	2.5	2.2	2.6	2.5	2.4	2.5	2.3
% 5th or over	3.5	4.9	1.4	7.7	6.6	5.3	9.2	2.2
Prematurity, Percent								
Less than 37 weeks	6.1	8.0	3.4	8.7	6.9	5.9	7.6	6.6
Less than 2,500 grams	4.9	3.7	5.2	7.2	3.6	5.1	1.7	4.7
Plurality:								
Single	65,332**	162	3,523	502	598	514	115	824
Twin	1,358	-	108	15	10	14	4	8
Triplet	25	-	3	-	-	-	-	-
Mother's Age, Percent								
Under 18	2.5	3.7	2.1	3.7	4.1	3.6	3.4	2.6
18-19	5.4	11.1	4.7	9.7	9.4	5.1	8.4	4.8
40 and over	.7	1.2	.5	.8	.2	.4	-	.2
Mother's Education, Percent								
Less than 12 years	9.3	11.7	5.1	16.2	20.4	11.9	9.2	7.8
Over 3 years college	18.4	11.1	9.6	10.6	16.9	11.6	10.1	23.8
Prenatal Care Began, Percent 3rd Trimester or none	3.2	5.6	1.7	5.6	4.3	.9	2.5	1.8
Prenatal Care Visits Median	11.2	9.8	11.7	10.9	10.2	11.3	11.1	12.2
Congenital Anomalies, Percent	1.3	1.9	.8	1.4	1.2	1.3	.8	1.6
High Risk, Percent	19.6	22.2	13.2	22.8	19.4	17.4	16.8	18.0
Other Significant Conditions of Child, Percent	4.7	7.4	2.7	7.5	2.5	4.7	6.7	2.8
Infant Deaths								
Total	590	-	37	2	4	3	1	10
White	550	-	37	2	3	3	1	10
Black	20	-	-	-	-	-	-	-
Indian	11	-	-	-	1	-	-	-
Neonatal Deaths								
Total	362	-	27	-	1	1	1	7
White	338	-	27	-	1	1	1	7
Black	15	-	-	-	-	-	-	-
Indian	4	-	-	-	-	-	-	-
First Day Deaths								
Total	214	-	20	-	-	1	-	4
White	199	-	20	-	-	1	-	4
Black	12	-	-	-	-	-	-	-
Indian	1	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	105	-	4	-	-	-	1	3
White	98	-	4	-	-	-	1	3
Black	3	-	-	-	-	-	-	-
Indian	3	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	43	-	3	-	1	-	-	-
White	41	-	3	-	1	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	465**	1	20	4	2	2	1	6
White	391	1	18	2	1	2	1	6
Black	19	-	-	-	-	-	-	-
Indian	17	-	-	-	1	-	-	-
Perinatal Rate	12.4	6.2	12.9	7.7	4.9	5.7	16.8	15.6
Maternal Deaths	5	-	-	-	-	-	-	-

Table 9

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
Live Births	475	406	658	366	215	462	694	134
Fertility Rate	75.4	66.4	67.1	88.7	73.2	73.3	51.3	74.4
Birth Rate	16.7	14.2	16.5	17.1	14.3	16.5	13.9	14.6
Sex: Male	254	199	337	200	117	236	370	62
Female	221	207	321	166	98	226	324	72
Out-of-Wedlock, Percent	9.3	16.0	7.0	24.9	4.2	9.3	13.1	17.9
Race: White	469	376	649	292	212	452	674	119
Black	-	-	1	2	-	1	1	-
Indian	-	26	5	71	2	2	12	15
Live Birth Order								
Median	2.4	2.4	2.3	2.5	2.4	2.5	2.3	2.6
% 5th or over	3.2	3.2	1.4	7.1	1.9	2.4	2.6	8.2
Prematurity, Percent								
Less than 37 weeks	2.3	7.1	8.1	7.1	5.1	5.6	6.6	6.7
Less than 2,500 grams	3.2	4.2	5.3	4.6	1.4	4.1	3.9	3.0
Plurality:								
Single	467	390	646	359	215	448	687	134
Twin	8	13	12	7	-	14	7	-
Triplet	-	3	-	-	-	-	-	-
Mother's Age, Percent								
Under 18	3.2	2.0	1.5	4.9	.5	2.4	2.2	6.0
18-19	4.6	8.1	3.8	9.6	3.3	6.1	4.8	5.2
40 and over	.6	-	.3	.5	.5	-	.4	.7
Mother's Education, Percent								
Less than 12 years	4.4	12.1	6.5	18.0	4.7	8.9	6.8	22.4
Over 3 years college	4.4	13.3	19.0	10.1	13.5	9.1	22.0	9.0
Prenatal Care Began, Percent								
3rd Trimester or none	1.3	2.7	2.1	4.4	1.4	2.4	2.3	6.0
Prenatal Care Visits								
Median	10.5	10.4	11.8	9.2	10.8	10.1	11.9	10.5
Congenital Anomalies, Percent	2.1	2.0	.8	1.4	1.4	.9	2.6	1.5
High Risk, Percent	21.3	16.7	21.3	22.1	17.2	16.7	14.3	15.7
Other Significant Conditions of Child, Percent	6.9	7.6	6.7	6.8	5.6	6.3	2.3	1.5
Infant Deaths								
Total	6	2	9	3	1	6	6	2
White	6	2	9	2	1	6	6	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-	1
Neonatal Deaths								
Total	2	1	5	1	-	6	5	-
White	2	1	5	1	-	6	5	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	2	1	4	-	-	2	2	-
White	2	1	4	-	-	2	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	1	-	-	2	2	-
White	-	-	1	-	-	2	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	1	-	2	1	-
White	-	-	-	1	-	2	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	3	-	6	3	2	2	7	2
White	3	-	6	1	2	2	5	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	2	-	-	-	-
Perinatal Rate	10.5	2.5	16.7	10.9	9.3	17.3	17.3	14.9
Maternal Deaths	-	-	-	-	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
Live Births	53	174	686	3,772	276	411	283	339
Fertility Rate	55.1	66.0	74.3	67.6	83.0	63.2	77.9	81.7
Birth Rate	12.3	12.5	16.1	17.8	18.2	13.8	15.0	15.6
Sex: Male	23	92	358	1,875	134	216	135	174
Female	30	82	328	1,897	142	195	148	165
Out-of-Wedlock, Percent	13.2	7.5	15.6	9.7	8.7	8.8	4.9	7.4
Race: White	47	171	669	3,649	274	409	280	335
Black	-	1	-	47	1	-	-	1
Indian	6	1	9	13	-	1	1	1
Live Birth Order								
Median	2.3	2.4	2.4	2.3	2.5	2.4	2.5	2.5
% 5th or over	1.9	1.7	4.1	2.2	2.5	2.4	3.9	8.3
Prematurity, Percent								
Less than 37 weeks	5.7	6.3	5.8	5.3	6.5	4.4	10.2	7.4
Less than 2,500 grams	7.5	4.0	6.0	4.4	4.7	3.4	4.9	5.0
Plurality:								
Single	51	168	676	3,703	274	407	275	335
Twin	2	6	10	66	2	4	8	4
Triplet	-	-	-	3	-	-	-	-
Mother's Age, Percent								
Under 18	1.9	2.9	3.8	1.7	2.9	2.4	2.5	2.1
18-19	3.8	6.3	8.5	4.3	7.2	5.1	3.9	5.0
40 and over	-	1.1	.6	.6	.7	.5	1.4	.6
Mother's Education, Percent								
Less than 12 years	5.7	6.3	15.6	6.1	14.1	6.6	7.8	11.2
Over 3 years college	26.4	13.8	11.7	22.2	9.8	15.3	14.1	12.7
Prenatal Care Began, Percent								
3rd Trimester or none	-	3.4	2.3	3.1	3.3	4.9	3.9	4.4
Prenatal Care Visits								
Median	11.9	11.5	10.2	11.3	11.1	10.7	10.3	10.8
Congenital Anomalies, Percent	-	1.1	2.5	1.3	.4	1.0	1.4	1.5
High Risk, Percent	30.2	20.7	23.9	18.6	25.7	16.5	19.8	22.1
Other Significant Conditions of Child, Percent	17.0	7.5	7.3	5.0	6.2	4.6	6.7	5.3
Infant Deaths								
Total	1	2	9	30	1	5	2	2
White	1	2	9	28	1	5	2	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	-	-	4	11	-	2	2	1
White	-	-	4	10	-	2	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	-	-	3	8	-	1	2	1
White	-	-	3	7	-	1	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	1	2	-	-	-	-
White	-	-	1	2	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	1	-	1	-	-
White	-	-	-	1	-	1	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	1	3	21	3	3	2	4
White	-	1	3	19	3	3	1	4
Black	-	-	-	1	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	-	5.7	10.2	8.5	10.9	12.2	14.1	14.7
Maternal Deaths	-	-	-	1	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Freeborn	Goodhue	Grant	Hennepin	Minn-eapolis	Houston	Hubbard
Live Births	494	611	93	15,159	6,299	270	197
Fertility Rate	67.7	73.8	69.6	63.2	69.1	66.3	60.5
Birth Rate	14.0	15.4	12.8	16.0	17.3	14.2	12.8
Sex: Male	246	306	42	7,734	3,171	158	99
Female	248	305	51	7,425	3,128	112	98
Out-of-Wedlock, Percent	12.6	9.2	7.5	17.4	30.3	6.3	13.7
Race: White	492	605	91	12,761	4,486	269	189
Black	-	1	-	1,141	985	1	-
Indian	-	3	-	462	427	-	7
Live Birth Order							
Median	2.3	2.4	2.4	2.2	2.2	2.3	2.4
% 5th or over	2.6	2.5	-	2.5	3.6	4.1	8.1
Prematurity, Percent							
Less than 37 weeks	6.7	5.9	5.4	6.7	7.4	5.9	6.6
Less than 2,500 grams	3.8	4.3	3.2	5.6	6.5	3.0	4.1
Plurality:							
Single	486	601	93	14,827	6,181	265	193
Twin	8	10	-	332	118	5	4
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	3.2	1.5	3.2	2.5	4.4	3.0	2.5
18-19	7.1	5.7	-	4.2	6.3	3.7	7.6
40 and over	.6	1.0	-	.7	.7	1.1	1.5
Mother's Education, Percent							
Less than 12 years	14.0	9.2	3.2	9.7	17.4	7.0	9.6
Over 3 years college	9.9	17.2	15.1	25.7	23.3	18.9	10.2
Prenatal Care Began, Percent							
3rd Trimester or none	3.6	2.0	-	3.9	6.9	2.6	6.1
Prenatal Care Visits							
Median	10.2	11.9	11.6	12.0	11.6	11.3	9.1
Congenital Anomalies, Percent	1.6	2.0	-	1.0	1.1	1.9	.5
High Risk, Percent	17.6	22.6	11.8	20.7	25.7	16.3	19.8
Other Significant Conditions of Child, Percent	5.1	5.6	4.3	4.3	4.7	4.4	4.1
Infant Deaths							
Total	1	11	1	137	59	3	3
White	1	11	1	118	40	3	3
Black	-	-	-	13	13	-	-
Indian	-	-	-	5	5	-	-
Neonatal Deaths							
Total	1	6	-	81	33	-	2
White	1	6	-	69	21	-	2
Black	-	-	-	9	9	-	-
Indian	-	-	-	2	2	-	-
First Day Deaths							
Total	-	3	-	45	19	-	1
White	-	3	-	39	13	-	1
Black	-	-	-	6	6	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	2	-	25	12	-	-
White	-	2	-	20	7	-	-
Black	-	-	-	3	3	-	-
Indian	-	-	-	2	2	-	-
7-27 Day Deaths							
Total	1	1	-	11	2	-	1
White	1	1	-	10	1	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	4	2	1	102	53	-	2
White	4	2	1	74	28	-	2
Black	-	-	-	10	9	-	-
Indian	-	-	-	11	10	-	-
Perinatal Rate	10.1	13.1	10.8	12.1	13.7	-	20.3
Maternal Deaths	-	-	-	-	-	-	-

Table 9

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Kooch-iching
Live Births	400	687	178	182	585	77	192
Fertility Rate	64.9	69.8	66.9	68.2	63.7	60.3	51.4
Birth Rate	15.6	15.4	13.1	14.7	14.7	11.2	11.4
Sex: Male	201	344	83	89	301	35	101
Female	199	343	95	93	284	42	91
Out-of-Wedlock, Percent	13.3	15.9	7.3	15.4	8.5	2.6	17.2
Race: White	385	591	178	179	579	76	167
Black	-	-	-	1	1	-	1
Indian	2	91	-	1	2	-	14
Live Birth Order							
Median	2.4	2.4	2.4	2.5	2.3	3.1	2.3
% 5th or over	4.3	3.6	3.4	2.2	3.6	7.8	1.6
Prematurity, Percent							
Less than 37 weeks	6.0	6.8	3.4	7.1	7.0	5.2	4.7
Less than 2,500 grams	5.8	4.2	5.1	4.4	4.4	3.9	8.3
Plurality:							
Single	389	677	178	182	572	77	188
Twin	11	10	-	-	13	-	4
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	3.0	2.8	4.5	4.4	2.9	-	4.7
18-19	5.8	7.0	4.5	11.0	6.7	5.2	6.8
40 and over	.5	.4	-	1.1	.5	1.3	.5
Mother's Education, Percent							
Less than 12 years	13.0	10.2	9.0	15.9	8.7	5.2	15.6
Over 3 years college	13.3	8.9	14.0	11.0	13.2	15.6	12.0
Prenatal Care Began, Percent							
3rd Trimester or none	4.5	1.9	2.8	2.7	2.2	7.8	1.0
Prenatal Care Visits							
Median	10.6	10.3	11.3	10.2	11.6	9.9	10.6
Congenital Anomalies, Percent	2.3	1.3	1.1	2.7	1.9	-	1.0
High Risk, Percent	20.5	18.9	17.4	21.4	17.3	13.0	20.3
Other Significant Conditions of Child, Percent	6.3	7.4	2.2	4.4	6.2	2.6	7.3
Infant Deaths							
Total	7	9	2	2	7	-	-
White	7	9	1	2	7	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	5	8	1	1	5	-	-
White	5	8	1	1	5	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	3	5	1	-	2	-	-
White	3	5	1	-	2	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	1	2	-	1	2	-	-
White	1	2	-	1	2	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	1	1	-	-	1	-	-
White	1	1	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	2	1	-	1	5	-	-
White	1	1	-	1	5	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	17.5	13.1	5.6	11.0	17.1	-	-
Maternal Deaths	-	-	-	-	1	-	-

Table 9

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Lac Qui Parle	Lake	Lake of the Woods	LeSueur	Lin-coln	Lyon	Mc-Leod	Mahnomen
Live Births	153	137	67	375	94	412	480	79
Fertility Rate	80.3	55.7	86.7	76.0	65.1	69.5	72.8	71.1
Birth Rate	14.7	11.5	17.2	16.0	11.8	15.8	15.9	14.1
Sex: Male	91	61	35	186	56	202	227	46
Female	62	76	32	189	38	210	253	33
Out-of-Wedlock, Percent	7.2	13.1	4.5	6.9	6.4	6.8	8.3	24.1
Race: White	150	133	64	372	94	404	474	48
Black	-	-	-	1	-	1	1	-
Indian	1	4	1	1	-	3	1	31
Live Birth Order								
Median	2.4	2.3	2.6	2.5	2.8	2.5	2.3	2.7
% 5th or over	2.6	4.4	9.0	5.6	7.4	4.1	4.0	13.9
Prematurity, Percent								
Less than 37 weeks	5.9	6.6	13.4	5.9	7.4	5.6	7.9	5.1
Less than 2,500 grams	2.6	7.3	9.0	3.5	2.1	2.9	4.8	1.3
Plurality:								
Single	151	131	60	369	90	412	472	79
Twin	2	6	6	6	4	-	8	-
Triplet	-	-	1	-	-	-	-	-
Mother's Age, Percent								
Under 18	2.6	2.9	3.0	2.1	2.1	2.2	1.9	2.5
18-19	6.5	8.0	4.5	6.4	5.3	4.4	7.3	12.7
40 and over	-	.7	-	1.6	2.1	1.0	1.0	2.5
Mother's Education, Percent								
Less than 12 years	3.9	8.8	14.9	5.9	8.5	8.0	7.9	21.5
Over 3 years college	16.3	17.5	20.9	11.7	13.8	17.7	12.5	10.1
Prenatal Care Began, Percent								
3rd Trimester or none	2.0	2.9	4.5	1.9	4.3	3.9	1.7	2.5
Prenatal Care Visits								
Median	9.8	11.4	9.0	11.7	9.9	11.1	12.1	11.1
Congenital Anomalies, Percent	2.6	2.2	-	.8	1.1	3.2	1.0	1.3
High Risk, Percent	17.0	21.2	22.4	19.2	17.0	24.5	19.6	17.7
Other Significant Conditions of Child, Percent	5.9	5.1	9.0	4.3	9.6	6.1	4.6	2.5
Infant Deaths								
Total	1	1	4	1	-	3	6	-
White	1	1	4	1	-	3	6	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	-	1	4	1	-	-	4	-
White	-	1	4	1	-	-	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	-	1	2	1	-	-	1	-
White	-	1	2	1	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	-	2	-	-	-	2	-
White	-	-	2	-	-	-	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	-	-	-	1	-
White	-	-	-	-	-	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	-	-	2	6	1	3	4	-
White	-	-	2	6	1	3	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	-	7.3	89.6	18.7	10.6	7.3	16.7	-
Maternal Deaths	-	-	-	-	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Marshall	Martin	Meeker	Mille Lacs	Morrison	Mower	Murray
Live Births	168	371	348	310	543	574	172
Fertility Rate	66.0	74.8	83.0	81.2	85.8	71.9	77.2
Birth Rate	13.2	15.1	16.5	16.8	18.1	14.5	15.1
Sex: Male	95	194	177	162	292	326	95
Female	73	177	171	148	251	248	77
Out-of-Wedlock, Percent	6.0	8.4	9.5	18.7	12.0	13.6	9.9
Race: White	167	368	346	283	539	567	171
Black	-	-	-	-	-	-	-
Indian	1	-	-	26	3	-	-
Live Birth Order							
Median	2.4	2.6	2.4	2.4	2.5	2.3	2.5
% 5th or over	3.0	1.1	4.3	6.1	7.7	3.0	4.7
Prematurity, Percent							
Less than 37 weeks	6.0	7.8	5.5	8.7	4.6	5.2	9.9
Less than 2,500 grams	3.0	5.4	4.3	5.2	4.1	3.3	7.6
Plurality:							
Single	168	361	344	306	532	568	168
Twin	-	10	4	4	11	6	4
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	.6	1.6	2.0	2.9	2.4	1.0	.6
18-19	7.7	4.9	6.0	9.4	7.2	6.3	6.4
40 and over	1.2	.3	-	.6	.7	.9	.6
Mother's Education, Percent							
Less than 12 years	7.1	6.7	10.1	12.9	7.4	6.6	4.7
Over 3 years college	17.9	13.5	13.5	9.4	11.2	14.1	12.8
Prenatal Care Began, Percent							
3rd Trimester or none	3.6	2.2	2.3	2.3	1.3	4.0	1.7
Prenatal Care Visits							
Median	10.7	11.5	10.5	10.6	10.7	9.0	10.6
Congenital Anomalies, Percent	1.2	.3	2.9	2.9	.6	1.0	1.7
High Risk, Percent	19.6	15.6	20.4	24.5	13.1	18.5	20.3
Other Significant Conditions of Child, Percent	2.4	6.2	6.6	7.7	2.9	5.2	5.2
Infant Deaths							
Total	1	2	4	3	3	2	4
White	1	2	4	2	3	2	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
Neonatal Deaths							
Total	1	1	3	1	3	2	3
White	1	1	3	-	3	2	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
First Day Deaths							
Total	1	1	1	1	2	2	2
White	1	1	1	-	2	2	2
Black	-	-	-	-	-	-	-
Indian	-	-	-	1	-	-	-
1-6 Day Deaths							
Total	-	-	2	-	1	-	1
White	-	-	2	-	1	-	1
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	-	-	-	-
White	-	-	-	-	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	3	2	3	6	6	4	1
White	3	2	3	2	6	4	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	23.8	8.1	17.2	22.6	16.6	10.5	23.3
Maternal Deaths	-	-	-	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Pennington	Pine
Live Births	466	310	102	1,786	742	209	330
Fertility Rate	65.6	68.6	60.1	70.5	67.2	67.1	79.9
Birth Rate	16.6	14.2	10.8	18.4	13.5	14.9	15.9
Sex: Male	251	153	50	904	365	102	161
Female	215	157	52	882	377	107	169
Out-of-Wedlock, Percent	7.5	11.0	7.8	8.6	8.8	12.9	15.5
Race: White	464	302	98	1,711	734	206	318
Black	-	-	-	14	1	-	1
Indian	-	2	4	4	5	2	11
Live Birth Order							
Median	2.2	2.4	2.5	2.3	2.4	2.4	2.6
% 5th or over	2.1	4.8	2.9	2.2	4.7	2.9	4.8
Prematurity, Percent							
Less than 37 weeks	5.8	6.8	3.9	6.3	6.6	5.7	4.8
Less than 2,500 grams	4.7	5.5	2.0	5.2	4.9	4.3	4.2
Plurality:							
Single	452	304	102	1,744	727	207	318
Twin	14	6	-	39	15	2	12
Triplet	-	-	-	3	-	-	-
Mother's Age, Percent							
Under 18	1.5	1.6	2.9	1.6	2.6	1.9	5.5
18-19	6.2	7.4	3.9	3.4	6.7	7.7	6.4
40 and over	.9	1.6	-	.7	.7	.5	.6
Mother's Education, Percent							
Less than 12 years	6.7	7.7	6.9	7.1	8.8	8.1	14.5
Over 3 years college	17.4	11.0	10.8	26.0	13.1	13.9	11.8
Prenatal Care Began, Percent							
3rd Trimester or none	.9	4.5	1.0	2.3	3.5	5.7	3.3
Prenatal Care Visits							
Median	12.1	11.4	10.9	10.9	11.6	10.6	10.1
Congenital Anomalies, Percent	1.1	.6	1.0	1.0	2.6	1.0	.9
High Risk, Percent	17.0	18.4	6.9	26.3	23.2	20.1	20.0
Other Significant Conditions of Child, Percent	5.4	3.9	3.9	6.4	6.7	2.4	4.8
Infant Deaths							
Total	4	2	-	19	6	-	3
White	4	2	-	19	6	-	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	3	2	-	12	3	-	-
White	3	2	-	12	3	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	3	-	-	7	2	-	-
White	3	-	-	7	2	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	-	2	-	3	1	-	-
White	-	2	-	3	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	2	-	-	-
White	-	-	-	2	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	2	1	-	16	5	2	4
White	2	1	-	14	5	2	4
Black	-	-	-	1	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	10.7	9.7	-	15.7	10.8	9.6	12.1
Maternal Deaths	-	-	-	-	-	-	-

Table 9

SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Pipe-stone	Polk	Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville
Live Births	160	543	164	8,089	5,034	81	270	306
Fertility Rate	73.9	74.3	75.5	71.7	78.5	77.7	73.0	82.2
Birth Rate	14.0	15.7	13.7	17.7	18.7	15.5	14.3	15.6
Sex: Male	78	286	71	4,149	2,572	47	156	162
Female	82	257	93	3,940	2,462	34	114	144
Out-of-Wedlock, Percent	5.6	12.0	4.9	17.4	22.5	11.1	7.8	4.9
Race: White	154	530	164	6,825	3,970	80	259	302
Black	-	-	-	468	420	-	-	-
Indian	4	12	-	70	65	1	10	3
Live Birth Order								
Median	2.5	2.5	2.7	2.2	2.3	2.7	2.6	2.5
% 5th or over	2.5	3.9	5.5	4.3	6.1	2.5	6.3	2.0
Prematurity, Percent								
Less than 37 weeks	4.4	7.4	7.9	6.6	7.3	3.7	8.1	4.2
Less than 2,500 grams	1.9	3.5	3.7	5.4	5.8	1.2	4.8	3.6
Plurality:								
Single	160	535	160	7,906	4,921	79	264	304
Twin	-	8	4	177	107	2	6	2
Triplet	-	-	-	6	6	-	-	-
Mother's Age, Percent								
Under 18	-	2.0	1.8	3.2	4.2	3.7	3.0	1.6
18-19	8.1	7.4	7.9	5.4	6.5	11.1	4.4	4.2
40 and over	-	.4	1.8	1.1	1.1	-	1.5	-
Mother's Education, Percent								
Less than 12 years	6.3	12.5	7.9	12.0	16.7	12.3	5.2	6.2
Over 3 years college	14.4	14.0	9.8	23.2	21.1	9.9	11.9	14.1
Prenatal Care Began, Percent								
3rd Trimester or none	1.9	2.4	3.7	4.9	6.1	6.2	1.1	1.6
Prenatal Care Visits								
Median	11.4	10.9	10.3	11.0	10.8	10.1	10.9	11.6
Congenital Anomalies, Percent	1.9	1.1	-	1.2	1.3	1.2	2.2	1.6
High Risk, Percent	12.5	16.2	12.8	23.0	25.4	16.0	24.8	16.7
Other Significant Conditions of Child, Percent	4.4	2.9	3.7	4.4	4.8	4.9	5.6	5.2
Infant Deaths								
Total	-	3	1	78	53	-	1	1
White	-	3	1	66	42	-	1	1
Black	-	-	-	7	6	-	-	-
Indian	-	-	-	1	1	-	-	-
Neonatal Deaths								
Total	-	2	1	55	37	-	1	1
White	-	2	1	46	29	-	1	1
Black	-	-	-	6	5	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	-	1	1	33	24	-	1	1
White	-	1	1	26	18	-	1	1
Black	-	-	-	6	5	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	1	-	16	9	-	-	-
White	-	1	-	15	8	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	-	-	6	4	-	-	-
White	-	-	-	5	3	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	2	2	1	65	43	2	2	3
White	2	2	1	49	29	2	1	2
Black	-	-	-	7	7	-	-	-
Indian	-	-	-	1	1	-	-	-
Perinatal Rate	12.5	7.4	12.2	14.8	15.9	24.7	11.1	13.1
Maternal Deaths	-	-	-	1	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Rice	Rock	Roseau	St. Louis	Duluth	Scott	Sherburne	Sibley
Live Births	653	180	236	2,774	1,297	901	586	211
Fertility Rate	55.6	84.0	85.8	57.8	64.5	71.8	72.1	68.1
Birth Rate	13.8	16.8	17.7	13.1	15.0	18.1	17.4	13.5
Sex: Male	328	82	114	1,434	664	463	303	105
Female	325	98	122	1,340	633	438	283	106
Out-of-Wedlock, Percent	10.6	6.7	8.1	16.9	22.0	9.3	9.7	5.2
Race: White	634	179	229	2,646	1,220	892	539	210
Black	3	-	-	22	20	1	1	-
Indian	1	-	4	83	46	5	2	-
Live Birth Order								
Median	2.3	2.6	2.3	2.3	2.2	2.3	2.4	2.6
% 5th or over	4.1	3.3	2.5	3.2	2.9	3.0	3.2	5.7
Prematurity, Percent								
Less than 37 weeks	6.0	7.2	5.9	6.1	6.1	7.0	4.3	4.3
Less than 2,500 grams	5.7	3.3	3.4	4.3	4.9	4.9	4.4	2.4
Plurality:								
Single	638	178	236	2,724	1,276	885	568	211
Twin	15	2	-	50	21	16	15	-
Triplet	-	-	-	-	-	-	3	-
Mother's Age, Percent								
Under 18	2.5	2.2	2.5	2.6	3.1	2.4	2.4	1.9
18-19	6.7	2.2	7.2	7.2	8.2	4.9	5.5	5.2
40 and over	.5	.6	-	.4	.5	.9	1.0	.5
Mother's Education, Percent								
Less than 12 years	10.3	5.0	9.3	11.8	13.8	8.1	10.2	4.3
Over 3 years college	15.8	12.2	10.6	18.0	22.4	15.0	13.7	4.7
Prenatal Care Began, Percent								
3rd Trimester or none	4.3	3.3	2.1	2.1	2.4	4.0	1.0	.9
Prenatal Care Visits								
Median	11.0	12.1	10.4	10.8	10.6	11.8	11.6	11.3
Congenital Anomalies, Percent	2.0	1.7	.8	1.8	2.2	1.1	1.2	.9
High Risk, Percent	21.4	15.6	19.1	19.3	18.6	19.3	16.9	16.1
Other Significant Conditions of Child, Percent	6.6	6.7	3.8	6.1	7.2	4.6	3.8	3.8
Infant Deaths								
Total	5	4	1	27	14	5	4	-
White	5	4	1	26	13	5	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	1	-	-	-
Neonatal Deaths								
Total	3	4	1	20	11	2	3	-
White	3	4	1	19	10	2	3	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	1	-	-	-
First Day Deaths								
Total	2	2	-	14	6	-	1	-
White	2	2	-	14	6	-	1	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	1	2	1	6	5	1	2	-
White	1	2	1	5	4	1	2	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	1	1	-	-	-
7-27 Day Deaths								
Total	-	-	-	-	-	1	-	-
White	-	-	-	-	-	1	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	2	-	1	18	10	9	8	3
White	2	-	1	15	9	9	7	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	2	1	-	-	-
Perinatal Rate	7.7	22.2	8.5	13.7	16.2	12.2	18.8	14.2
Maternal Deaths	-	-	-	1	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha
Live Births	1,921	471	164	192	445	83	334
Fertility Rate	65.0	67.6	65.0	77.3	84.9	86.0	82.8
Birth Rate	16.8	15.4	14.5	15.1	17.1	15.5	17.3
Sex: Male	981	232	85	106	222	42	178
Female	940	239	79	86	223	41	156
Out-of-Wedlock, Percent	12.1	10.0	6.7	7.8	10.3	13.3	8.1
Race: White	1,895	463	161	191	443	78	331
Black	8	1	1	-	-	-	-
Indian	6	1	-	-	1	5	1
Live Birth Order							
Median	2.4	2.4	2.4	2.5	2.7	2.7	2.5
% 5th or over	7.3	2.1	4.3	4.2	5.8	8.4	6.9
Prematurity, Percent							
Less than 37 weeks	5.7	5.5	1.2	8.9	5.6	2.4	5.1
Less than 2,500 grams	4.1	3.8	4.3	6.8	3.1	4.8	4.8
Plurality:							
Single	1,883	466	160	184	439	81	331
Twin	38	5	4	8	6	2	3
Triplet	-	-	-	-	-	-	-
Mother's Age, Percent							
Under 18	1.6	2.1	3.7	1.6	3.1	1.2	2.4
18-19	6.5	4.9	4.3	4.2	7.2	7.2	5.7
40 and over	1.4	.4	.6	1.6	.4	-	.6
Mother's Education, Percent							
Less than 12 years	5.9	7.6	2.4	7.8	6.7	4.8	9.0
Over 3 years college	13.7	15.1	2.4	10.9	7.9	12.0	13.8
Prenatal Care Began, Percent							
3rd Trimester or none	1.9	4.5	1.8	2.1	3.1	4.8	2.4
Prenatal Care Visits							
Median	11.0	10.6	12.1	10.6	10.6	11.3	10.4
Congenital Anomalies, Percent	1.1	1.5	2.4	3.6	2.2	2.4	.6
High Risk, Percent	16.6	16.8	21.3	21.9	18.0	15.7	21.6
Other Significant Conditions of Child, Percent	3.4	5.3	5.5	4.7	4.0	6.0	5.4
Infant Deaths							
Total	11	3	3	1	5	2	3
White	11	3	3	1	5	2	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Neonatal Deaths							
Total	7	1	1	1	1	2	-
White	7	1	1	1	1	2	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
First Day Deaths							
Total	5	-	-	-	1	-	-
White	5	-	-	-	1	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
1-6 Day Deaths							
Total	2	1	1	-	-	2	-
White	2	1	1	-	-	2	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
7-27 Day Deaths							
Total	-	-	-	1	-	-	-
White	-	-	-	1	-	-	-
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Fetal Deaths							
Total	11	9	1	2	7	-	3
White	10	9	1	2	7	-	3
Black	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-
Perinatal Rate	9.4	21.2	12.2	15.6	18.0	24.1	9.0
Maternal Deaths	-	-	-	-	-	-	-

Table 9
SELECTED RESIDENT NATALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

	Wadena	Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Live Births	229	274	1,880	188	121	690	1,206	204
Fertility Rate	81.6	68.8	60.1	83.8	73.7	58.1	82.7	84.3
Birth Rate	16.4	14.7	15.3	15.7	14.5	14.7	19.3	15.7
Sex: Male	114	153	997	93	53	339	621	105
Female	115	121	883	95	68	351	585	99
Out-of-Wedlock, Percent	11.8	12.0	10.8	10.1	12.4	13.0	10.2	10.8
Race: White	227	271	1,829	185	117	678	1,118	201
Black	1	-	15	-	-	2	1	-
Indian	1	1	7	1	4	2	4	2
Live Birth Order								
Median	2.4	2.4	2.3	2.7	2.7	2.4	2.5	2.5
% 5th or over	8.7	1.5	2.1	4.8	9.1	5.2	5.6	6.4
Prematurity, Percent								
Less than 37 weeks	7.4	8.8	5.4	4.8	6.6	6.4	5.3	8.8
Less than 2,500 grams	8.3	5.8	4.0	4.3	2.5	4.3	4.2	4.9
Plurality:								
Single	222	268	1,837	180	121	668	1,174	202
Twin	7	6	40	8	-	22	32	2
Triplet	-	-	3	-	-	-	-	-
Mother's Age, Percent								
Under 18	3.5	2.9	2.1	4.3	2.5	1.0	2.2	2.9
18-19	8.7	3.3	3.9	5.9	5.0	6.5	6.7	5.4
40 and over	1.7	.4	.5	-	-	1.3	.9	1.5
Mother's Education, Percent								
Less than 12 years	7.0	8.8	6.8	17.6	10.7	9.4	8.8	9.3
Over 3 years college	10.0	13.9	21.0	11.7	13.2	19.1	8.1	11.3
Prenatal Care Began, Percent								
3rd Trimester or none	2.2	2.2	1.8	1.1	3.3	2.2	1.7	2.5
Prenatal Care Visits								
Median	10.0	10.8	11.0	10.7	10.8	11.1	11.0	10.6
Congenital Anomalies, Percent	1.7	1.8	1.1	1.6	1.7	2.5	.8	2.5
High Risk, Percent	28.8	17.9	18.2	11.7	19.0	18.8	14.0	23.5
Other Significant Conditions of Child, Percent	9.6	4.7	3.1	4.8	5.8	6.4	3.1	6.4
Infant Deaths								
Total	2	5	12	3	-	2	10	2
White	2	5	12	3	-	2	10	2
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Neonatal Deaths								
Total	2	4	8	2	-	2	6	1
White	2	4	8	2	-	2	6	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
First Day Deaths								
Total	2	2	5	-	-	1	4	-
White	2	2	5	-	-	1	4	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
1-6 Day Deaths								
Total	-	1	3	2	-	-	-	-
White	-	1	3	2	-	-	-	-
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
7-27 Day Deaths								
Total	-	1	-	-	-	1	2	1
White	-	1	-	-	-	1	2	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Fetal Deaths								
Total	1	1	11	2	-	3	5	1
White	1	1	10	2	-	3	5	1
Black	-	-	-	-	-	-	-	-
Indian	-	-	-	-	-	-	-	-
Perinatal Rate	13.1	18.2	10.1	21.3	-	7.2	9.1	9.8
Maternal Deaths	-	-	-	-	-	-	1	-

* As of the 1980 Census

** Includes unknown county of residence

Table 10
LIVE BIRTH WEIGHT BY LIVE BIRTH ORDER AND SEX
MINNESOTA RESIDENTS, 1984

		Weight in Grams									
Live Birth Order	Total Births	999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Not Stated
First	25,602	113	141	278	887	3,543	9,607	8,201	2,348	455	29
Second	22,171	67	99	191	600	2,412	7,480	7,866	2,860	576	20
Third	10,925	42	42	96	306	1,192	3,494	3,815	1,553	375	10
Fourth	3,978	17	12	38	118	431	1,217	1,370	605	166	4
Fifth	1,309	9	8	14	53	174	398	419	173	57	4
Sixth	501	1	2	12	13	56	150	170	76	21	-
Seventh	227	2	1	1	9	21	65	80	36	10	2
Eight or Over	290	-	1	1	9	32	92	99	39	17	-
Not Stated	1,712	9	10	10	25	115	309	329	104	23	778
TOTAL	66,715	260	316	641	2,020	7,976	22,812	22,349	7,794	1,700	847
Male	34,077	138	167	318	906	3,383	10,598	12,170	4,802	1,175	420
Female	32,638	122	149	323	1,114	4,593	12,214	10,179	2,992	525	427

Table 11
LIVE BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER
MINNESOTA RESIDENTS, 1984

		Age of Mother								
Live Birth Order	Total Births	Under 15 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 & Over Years	Age Not Stated
First	25,602	47	4,212	9,641	8,186	2,936	544	32	2	2
Second	22,171	1	754	6,698	8,986	4,735	929	68	-	-
Third	10,925	-	97	2,020	4,483	3,369	876	78	1	1
Fourth	3,978	-	8	482	1,477	1,438	506	65	2	-
Fifth	1,309	-	1	89	405	485	260	66	3	-
Sixth	501	-	-	15	117	190	132	45	2	-
Seventh	227	-	-	6	30	79	85	25	2	-
Eight or Over	290	-	-	-	17	83	111	66	13	-
Not Stated	1,712	2	140	466	647	361	80	7	1	8
TOTAL	66,715	50	5,212	19,417	24,348	13,676	3,523	452	26	11
Percent	100.0	0.1	7.8	29.1	36.5	20.5	5.3	0.7	0.0	0.0

Table 12
PRENATAL CARE AND RACE BY AGE OF MOTHER AND BY LEGITIMACY STATUS
MINNESOTA RESIDENTS, 1984

			Age of Mother					
	Total	Percent	Under 15	15-19	20-29	30-39	40 and Over	Unknown
Legitimate Live Births	57,700*	-	3	2,009	38,884	16,347	452	5
Prenatal Care Started								
1st Trimester	42,494	73.6	1	1,119	28,705	12,398	270	1
2nd Trimester	7,237	12.5	-	565	4,793	1,783	95	1
3rd Trimester	1,019	1.8	1	72	672	252	22	-
No Care	248	0.4	-	8	138	95	7	-
Unknown	6,702	11.6	1	245	4,576	1,819	58	3
Race								
White	54,004	93.7	1	1,817	36,500	15,332	392	2
Black	737	1.3	-	21	491	215	10	-
Indian	512	0.9	-	31	359	120	2	-
Out-of-Wedlock Live Births	9,015**	-	47	3,203	4,881	852	26	6
Prenatal Care Started								
1st Trimester	4,490	49.8	6	1,465	2,555	450	14	-
2nd Trimester	2,502	27.8	16	1,020	1,266	198	2	-
3rd Trimester	656	7.3	15	256	326	56	3	-
No Care	186	2.1	3	67	97	19	-	-
Unknown	1,181	13.1	7	395	637	129	7	6
Race								
White	6,831	75.7	18	2,488	3,691	613	19	2
Black	1,026	11.4	16	337	569	104	-	-
Indian	862	9.6	4	274	488	91	4	1
Legitimate Fetal Deaths	374*	-	-	10	230	124	6	4
Race								
White	334	89.3	-	9	205	110	6	4
Black	5	1.3	-	-	2	3	-	-
Indian	5	1.3	-	1	1	3	-	-
Out-of-Wedlock Fetal Deaths	91**	-	-	33	45	13	-	-
Race								
White	57	62.6	-	22	28	7	-	-
Black	14	15.4	-	6	7	1	-	-
Indian	12	13.2	-	4	5	3	-	-

* Includes deliveries of other and unknown races

** Includes unknown legitimacy status

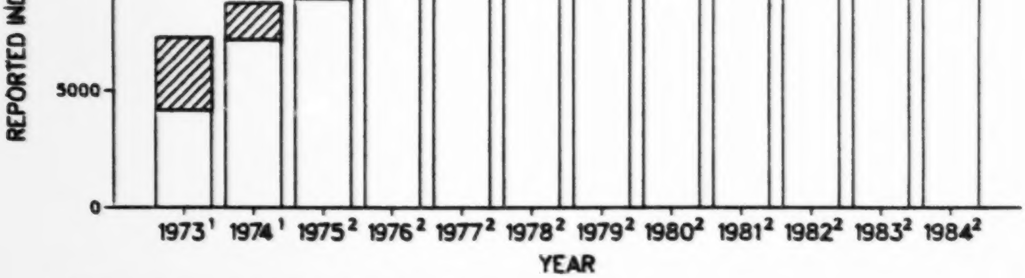
Reported Induced Abortions

Table 13
TOTAL REPORTED AND RESIDENT INDUCED ABORTIONS
MINNESOTA 1973 - 1984

Year	Total Reported Abortions	Minnesota Resident Abortions	Resident Percent	Resident Abortion Rate
1973[1]	7,263	4,169	57.4	5.1
1974[1]	8,732	7,154	81.9	8.6
1975	10,565	8,924	84.5	10.3
1976	14,124	11,109	78.7	12.5
1977	15,532	13,036	83.9	14.4
1978	17,262	14,521	84.1	15.6
1979	18,672	15,647	83.8	16.4
1980	19,028	16,490	86.7	17.2
1981	18,304	15,821	86.4	16.3
1982	17,758	15,559	87.6	15.8
1983	16,428	14,514	88.3	14.7
1984	17,314	15,556	89.8	15.7

[1] Data obtained from the Center for Disease Control.

FIGURE 1
REPORTED INDUCED ABORTIONS IN MINNESOTA, 1973–1984



[1] Statistics were obtained from the Center for Disease Control.

[2] Minnesota Abortion Surveillance statistics.

Table 14
REPORTED INDUCED ABORTIONS
SELECTED SURVEILLANCE RESULTS AND COMPARISONS
MINNESOTA, 1980-1984

Reported Induced Abortions[1]	1984	1983	1982	1981	1980	Percent Change 1983-1984	Percent Change 1980-1984
Total Reported Abortions	17,314	16,428	17,758	18,304	19,028	+5.4	-9.0
Minnesota Resident Abortions	15,556	14,514	15,559	15,821	16,490	+7.2	-5.7
Total Monthly Average	1,443	1,369	1,480	1,525	1,586	+5.4	-9.0
Resident Monthly Average	1,296	1,210	1,297	1,318	1,374	+7.1	-5.7
Gestational Age[1]							
Proportion <9 weeks	45.6%	47.9%	47.9%	45.6%	38.1%	-4.8	+19.7
Proportion <13 weeks	86.5%	87.9%	88.5%	88.5%	86.9%	-1.6	-0.5
Proportion ≥16 weeks	6.1%	5.6%	4.9%	4.8%	5.4%	+8.9	+13.0
Client's Age[1]							
Proportion <Age 18	9.0%	9.9%	10.0%	11.5%	14.1%	-9.1	-36.2
Proportion <Age 20	25.6%	27.4%	28.0%	30.9%	34.6%	-6.6	-26.0
Proportion Age 20-34	68.9%	67.2%	59.9%	61.3%	64.7%	+2.5	+6.5
Proportion ≥Age 35	5.5%	5.4%	4.8%	4.4%	4.1%	+1.9	+34.1
Contraception[1]							
Proportion "Never Used"	15.3%	19.3%	20.6%	20.6%	22.4%	-20.7	-31.7
Proportion "Used in Past but Not Now"[2]	56.1%	56.3%	54.5%	53.6%	47.4%	-0.4	+18.4
Proportion "Was Using at Conception"	25.5%	21.6%	22.0%	22.5%	25.9%	+18.1	-1.5
Complications[1]							
Total per 1,000 Procedures	9.99	8.52	6.25	2.57	2.52[3]	+17.3	See footnote 4.
Resident per 1,000 Procedures	10.48	8.96	6.68	2.53	2.30[3]	+17.0	
Resident - Suction Curettage	10.78	9.46	6.97	2.30	1.71[3]	+14.0	
Resident - All Other Methods	7.37	4.95	4.24	4.21	5.69[3]	+48.9	

---

[1] Note: All data are Minnesota resident abortion statistics unless "Total" is indicated.

[2] Combines categories "Have Used but Discontinued" and "Interrupted Use of Usual Method", which were reported separately in years prior to 1984.

[3] Rates for 1980 were incorrectly reported in the 1980 Report, and are corrected here.

[4] In 1982, side effects experienced by abortion recipients were for the first time reported as complications by some providers, altering data in such a way that years subsequent to the change cannot be directly compared to 1981 or prior data years.

Table 15
REPORTED INDUCED ABORTIONS
BY SELECTED AGE GROUP BY RESIDENCE
MINNESOTA, 1984

	Total Reported Abortions			Minnesota Resident Abortion			
Age	Number	Percent of Teens	Percent of Total	Number	Percent of Teens	Percent of Residents	Resident Percent of Total
<18	1,566	34.7	9.0	1,395	35.0	9.0	89.1
18-19	2,942	65.3	17.0	2,586	65.0	16.6	87.9
<20	4,508	100.0	26.0	3,981	100.0	25.6	88.3
20-24	6,731	-	38.9	6,032	-	38.8	89.6
25-29	3,394	-	19.6	3,111	-	20.0	91.7
30-34	1,719	-	9.9	1,575	-	10.1	91.6
35+	937	-	5.4	839	-	5.4	89.5
Unknown	25	-	0.1	18	-	0.1	72.0
TOTAL	17,314	-	100.0	15,556	-	100.0	89.8

FIGURE 2
NUMBER OF REPORTED INDUCED ABORTIONS BY RECIPIENTS AGE
MINNESOTA, 1984

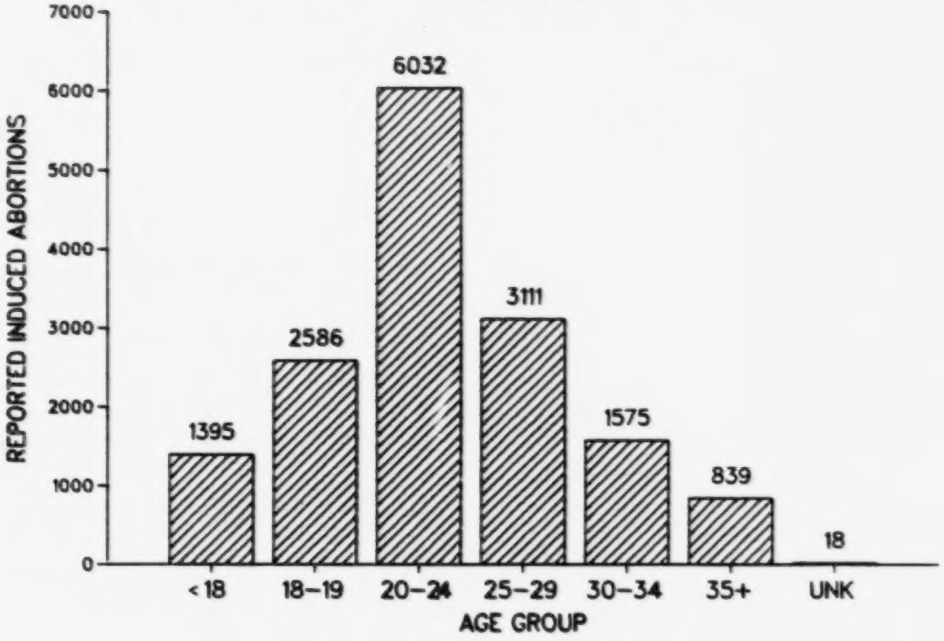


Table 16
REPORTED INDUCED ABORTIONS BY RACE/ETHNIC GROUP AND RESIDENCE
MINNESOTA, 1984

	Total Reported Abortions		Minnesota Resident Abortions		
Race	Number	Percent	Number	Percent	Resident Percent
White	15,657	90.4	13,965	89.8	89.2
Black	823	4.8	811	5.2	98.5
Indian	177	1.0	153	1.0	86.4
Hispanic	121	0.7	117	0.8	96.7
Asian	327	1.9	312	2.0	95.4
Other	70	0.4	68	0.4	97.1
Unknown	139	0.8	130	0.8	93.5
TOTAL	17,314	100.0	15,556	100.0	89.8

Table 17
REPORTED RESIDENT INDUCED ABORTIONS BY RACE AND AGE GROUP
MINNESOTA, 1984

	Race			
Age Group	White	Non-White	Unknown[1]	Total
<15	57	28	5	90
15-17	1,173	118	14	1,305
18-19	2,406	157	23	2,586
20-24	5,468	477	87	6,032
25-29	2,738	313	60	3,111
30-34	1,387	148	40	1,575
35+	722	99	18	839
Unknown	14	4	0	18
TOTAL	13,965	1,344	247	15,556

[1] Includes Hispanic origin.

Table 18
REPORTED INDUCED ABORTIONS BY MARITAL STATUS AND RESIDENCE MINNESOTA, 1984

Marital Status	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent
	Number	Percent	Number	Percent	
Never Married	12,256	70.8	10,996	70.7	89.7
Married	2,444	14.1	2,202	14.2	90.1
Other[1] and Unknown	2,614	15.1	2,358	15.2	90.2
TOTAL	17,314	100.0	15,556	100.00	89.8

Table 19
REPORTED RESIDENT INDUCED ABORTIONS BY AGE GROUP AND MARITAL STATUS MINNESOTA, 1984

Age Group	Reported Resident Abortions	Marital Status		
		Never Married	Currently Married	Other[1] and Unknown
<18	1,395	1,383	8	4
18-19	2,586	2,464	70	52
20-24	6,032	4,904	567	561
25-29	3,111	1,627	686	798
30-34	1,575	467	490	618
35+	839	138	377	324
Unkown	18	13	4	1
TOTAL	15,556	10,996	2,202	2,358

[1] Other includes: Divorced, Separated, and Widowed.

Table 20
REPORTED INDUCED ABORTIONS
BY GESTATION AND RESIDENCE
MINNESOTA, 1984

Weeks of Gestation[1] (Post LMP)	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent
	Number	Percent	Number	Percent	
<9	7,767	44.9	7,092	45.6	91.3
9-10	4,660	26.9	4,248	27.3	91.2
11-12	2,392	13.8	2,118	13.6	88.5
13-15	1,298	7.5	1,152	7.4	88.8
16-20	997	5.8	795	5.1	79.7
21+	200	1.2	151	1.0	75.5
TOTAL	17,314	100.0	15,556	100.0	89.8

Table 21
REPORTED RESIDENT INDUCED ABORTIONS
BY AGE GROUP BY WEEKS OF GESTATION
MINNESOTA, 1984

Age Group	Reported Resident Abortions	Gestation in Weeks[1] (LMP)					
		<9	9-10	11-12	13-15	16-20	21+
<18	1,395	407	377	251	191	144	25
18-19	2,586	953	731	413	259	192	38
20-24	6,032	2,764	1,653	829	428	294	64
25-29	3,111	1,674	824	350	161	91	11
30-34	1,575	860	431	163	65	50	6
35+	839	425	227	110	46	24	7
Unknown	18	9	5	2	2	0	0
TOTAL	15,556	7,092	4,248	2,118	1,152	795	151

---

[1] Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

FIGURE 3
PERCENT OF TOTAL REPORTED INDUCED ABORTIONS BY WEEKS OF GESTATION, MINNESOTA RESIDENTS, 1984

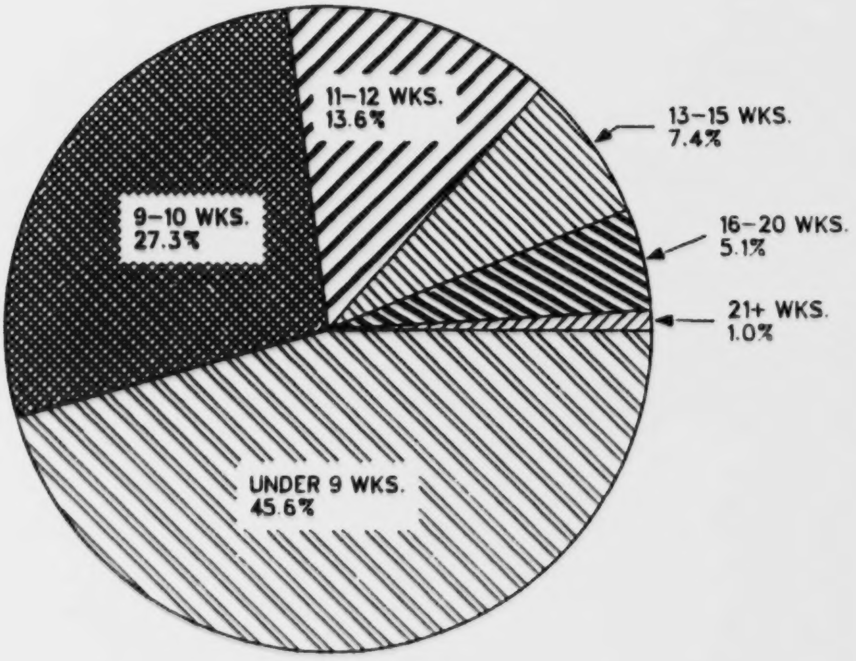


Table 22
PATIENTS REPORTING PRIOR ABORTIONS
BY AGE GROUP AND RESIDENCE
MINNESOTA, 1984

	Total Reported Abortions			Minnesota Resident Abortions		
Age Group	Number	Abortions[1]	Percent[2]	Number	Abortions[1]	Percent[2]
<18	1,566	107	6.8	1,395	102	7.3
18-19	2,942	475	16.1	2,586	426	16.5
20-24	6,731	2,236	33.2	6,032	2,056	34.1
25-29	3,394	1,460	43.0	3,111	1,348	43.3
30-34	1,719	687	40.0	1,575	640	40.6
35+	937	300	32.0	839	275	32.8
Unknown	25	6	24.0	18	5	27.8
TOTAL	17,314	5,271	30.4	15,556	4,852	31.2

[1] Number of women who reported at least one prior abortion.

[2] Percentage of women within each age group who reported having had at least one prior abortion.

FIGURE 4
PERCENT DISTRIBUTION OF FIRST-TIME ABORTION RECIPIENTS
VERSUS REPEAT ABORTION RECIPIENTS BY AGE GROUP, MINNESOTA RESIDENTS, 1984

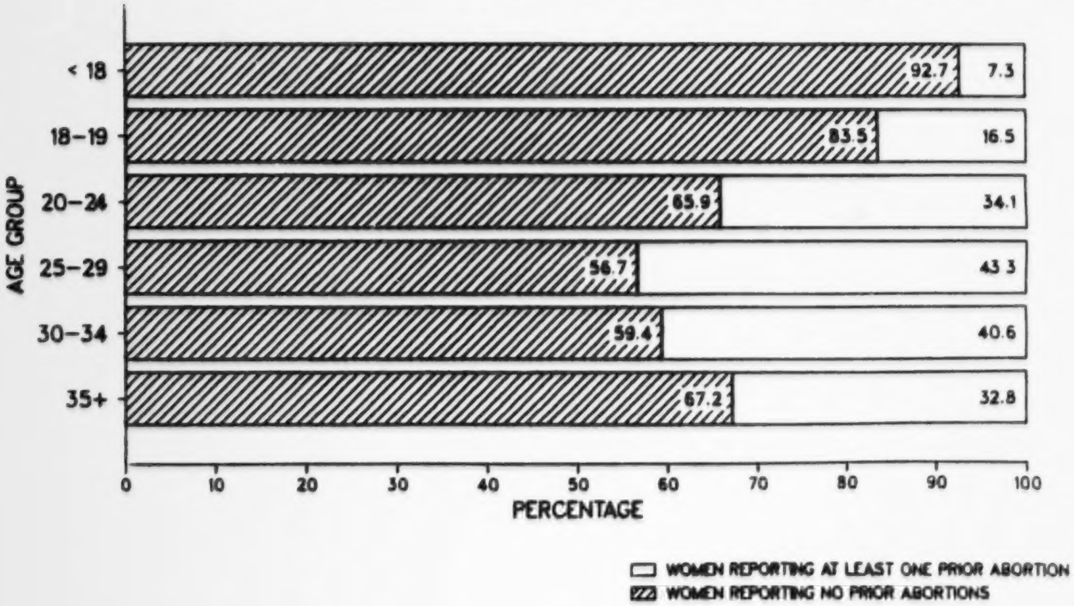


Table 23
REPORTED INDUCED ABORTIONS
BY NUMBER OF PRIOR ABORTIONS AND RESIDENCE
MINNESOTA, 1984

Number of Prior Abortions	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent of Total
	Number	Percent	Number	Percent	
0	12,043	69.6	10,704	68.8	88.9
1	3,854	22.3	3,502	22.5	90.9
2	1,025	5.9	971	6.2	94.7
3	287	1.7	276	1.8	96.2
4	75	0.4	74	0.5	98.7
5+	27	0.2	26	0.2	96.3
Unknown	3	0.0	3	0.0	100.0
TOTAL	17,314	100.0	15,556	100.0	89.8

Table 24
REPORTED INDUCED ABORTIONS BY NUMBER OF PRIOR LIVE BIRTHS AND RESIDENCE
MINNESOTA, 1984

Number of Prior Live Births	Total Reported Abortions		Minnesota Resident Abortions		Resident Percent of Total
	Number	Percent	Number	Percent	
0	11,581	66.9	10,311	66.3	89.0
1	2,829	16.3	2,586	16.6	91.4
2	1,922	11.1	1,759	11.3	91.5
3	649	3.7	588	3.8	90.6
4	189	1.1	176	1.1	93.1
5	82	0.5	76	0.5	92.7
6	26	0.2	26	0.2	100.0
7	10	0.1	9	0.1	90.0
8+	10	0.1	9	0.1	90.0
Unknown	16	0.1	16	0.1	100.0
TOTAL	17,314	100.0	15,556	100.0	89.8

60

Table 25
ABORTION PATIENTS REPORTING PRIOR LIVE BIRTHS BY AGE GROUP AND RESIDENCE
MINNESOTA, 1984

	Total Reported Abortions			Minnesota Resident Abortions		
Age Group	Number	Prior Live Births[1]	Percent[2]	Number	Prior Live Births[1]	Percent[2]
<18	1,566	71	4.5	1,395	67	4.8
18-19	2,942	337	11.5	2,586	305	11.8
20-24	6,731	1,803	26.8	6,032	1,661	27.5
25-29	3,394	1,611	47.5	3,111	1,491	47.9
30-34	1,719	1,141	66.4	1,575	1,040	66.0
35+	937	759	81.0	839	672	80.1
Unknown	25	11	44.0	18	9	50.0
TOTAL	17,314	5,733	33.1	15,556	5,245	33.7

[1] Number of women who reported at least one prior live birth.

[2] Percentage of women within each age group who reported having had at least one prior live birth.

Table 26
REPORTED RESIDENT INDUCED ABORTIONS BY METHOD BY WEEKS OF GESTATION MINNESOTA, 1984

Method[1]	Reported Resident Abortions	Gestation in Weeks[2] (LMP) <9	9-10	11-12	13-15	16+
Vacuum Curettage	14,199	7,050	4,235	2,093	749	72
Dilation & Evacuation	1,317	21	8	21	398	869
Dilation & Curettage	11	4	2	3	2	0
Other[3]	29	17	3	1	3	5

[1] See definitions of methods in definitions section.

[2] Weeks of gestation as reported by the physician using uterine size and/or LMP indicated by the patient.

[3] The "Other" category includes: prostaglandin; saline/fluid exchange; menstrua extraction (-pregnancy); menstrual extraction (+ pregnancy); hysterectomy; hysterotomy; and other.

Table 27
REPORTED INDUCED ABORTIONS
BY METHOD BY COMPLICATIONS[1] AND RESIDENCE
MINNESOTA, 1984

	Total Reported Abortions				Minnesota Resident Abortions			
Method[2]	Procedures	Percent	Complications	Rate[3]	Procedures	Percent	Complications	Rate[3]
Vacuum Curettage	15,658	90.4	160	10.22	14,199	91.3	153	10.78
Dilation & Evacuation	1,615	9.3	12	7.43	1,317	8.5	9	6.83
Dilation & Curettage	11	0.1	0	0	11	0.1	0	0
Other[4]	30	0.2	1	33.3	29	0.2	1	34.48
TOTAL	17,314	100.0	173	9.99	15,556	100.0	163	10.48

[1] Reported complications include the categories: hemorrhage (>500 ml), pelvic infection, fever, cervical injury, uterine perforation, retained tissue and other procedure related conditions. In 1982, minor side effects experienced by abortion recipients were for the first time reported as complications. These minor side effects included bleeding (<500 ml), uterine cramping,and elevated temperatures lower than 38 C.

[2] See definitions of methods in defitions section.

[3] Rate is reported complications per 1,000 abortion procedures.

[4] The "Other" category includes: prostaglandin; saline/fluid exchange; menstrual extraction (-pregnancy); mentrual extraction (+pregnancy); hysterectomy, hysterotomy; and other.

63

Table 28
MARITAL STATUS BY REPORTED CONTRACEPTIVE USE[1]
MINNESOTA RESIDENTS, 1984

		Reported Contraceptive Use[2]							
Age Group	Reported Resident Abortions	Never Used	Percent[3]	Used in Past but Not Now	Percent[3]	Was Using	Percent[3]	Unknown	Percent[3]
Never Married	10,996	2,123	19.3	6,052	55.0	2,520	22.9	301	2.7
Currently Married	2,202	147	6.7	1,223	55.5	744	33.8	88	4.0
Other[4] and Unknown	2,358	106	4.5	1,456	61.7	698	29.6	98	4.2
TOTAL	15,556	2,376	15.3	8,731	56.1	3,962	25.5	487	3.1

---

[1] These data relative to contraceptive use are subjective as reporting relies on client recall.

[2] Responses given --
Never used - "I've never used any form of birth control."
Used in Past but Not Now - includes responses similar to "I've used some type of birth control but not when I became pregnant" or "I usually use a method of contraception but through human error it was not effective (missed a pill, forgot to check for my IUD, did not use my diaphragm once or twice, etc.)". Please note that when comparing this category to previous years it will be necessary to combine the categories "Discontinued Use" and "Interrupted Use" which were collected and reported separately prior to the 1984 revision of the collection document.
Was Using - "I was using contraception when I became pregnant."

[3] Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that marital status reporting any contraceptive use.

[4] Other includes: Divorced, Separated, and Widowed.

Table 29
REPORTED INDUCED ABORTIONS
BY AGE GROUP BY TYPE OF CONTRACEPTION AT CONCEPTION[1]
MINNESOTA RESIDENTS, 1984

Contraceptive Type	Reported Resident Abortions	Age Group						
		<18	18-19	20-24	25-29	30-34	35+	Unknown
None	11,594	1,232	2,152	4,549	2,066	1,011	570	14
Diaphragm	900	6	35	324	311	167	57	0
Condoms	697	98	142	245	111	74	27	0
Combination Pills	598	25	95	284	136	45	12	1
Sponge	410	...[2]	36	152	146	49	...[2]	1
Foam	231	8	13	74	55	45	36	0
Foam & Condom	180	...[2]	18	75	48	20	...[2]	0
Suppositories	176	5	14	69	31	38	18	1
Rhythm	171	...[2]	...[2]	63	46	20	26	1
Intrauterine Device	124	...[2]	...[2]	42	32	31	14	0
Withdrawal	104	10	25	41	20	...[2]	...[2]	0
Mini Pills	65	...[2]	9	31	17	...[2]	...[2]	0
Natural Family Planning	55	...[2]	5	12	20	13	...[2]	0
Male/Female Sterilization	44	...[2]	...[2]	...[2]	12	14	12	0
Spermicidal cream/jelly alone	35	...[2]	...[2]	12	12	6	...[2]	0
Cervical Cap	31	...[2]	...[2]	11	10	...[2]	...[2]	0
Fertility Awareness	9	...[2]	...[2]	...[2]	...[2]	...[2]	...[2]	0
Injectable	5	...[2]	...[2]	...[2]	...[2]	...[2]	...[2]	0
Other	95	...[2]	...[2]	28	27	22	10	0
Unknown	32	...[2]	7	10	8	...[2]	...[2]	0
TOTAL	15,556	1,395	2,586	6,032	3,111	1,575	839	18

---

[1] These data relative to contraceptive use are subjective as reporting relies on client recall.

[2] ... Data were suppressed in order to preserve confidentiality of recipients.

Table 30
REPORTED INDUCED ABORTIONS
BY AGE GROUP BY CONTRACEPTIVE USE[1]
MINNESOTA RESIDENTS, 1984

		Reported Contraceptive Use[2]							
Age Group	Reported Resident Abortions	Never Used	Percent[3]	Used in Past but Not Now	Percent[3]	Was Using	Percent[3]	Unknown	Percent[3]
<15	90	67	74.4	14	15.6	6	6.7	3	3.3
15-17	1,305	593	45.4	505	38.7	157	12.0	50	3.8
18-19	2,586	696	26.9	1,374	53.1	434	16.8	82	3.2
20-24	6,032	758	12.6	3,628	60.1	1,483	24.6	163	2.7
25-29	3,111	164	5.3	1,815	58.3	1,045	33.6	87	2.8
30-34	1,575	54	3.4	897	57.0	564	35.8	60	3.8
35-39	627	26	4.1	370	59.0	205	32.7	26	4.1
40+	212	16	7.5	118	55.7	64	30.2	14	6.6
Unknown	18	2	11.1	10	55.6	4	22.2	2	11.1
TOTAL	15,556	2,376	15.3	8,731	56.1	3,962	25.5	487	3.1

[1] These data relative to contraceptive use are subjective as reporting relies on client recall.

[2] Responses given --

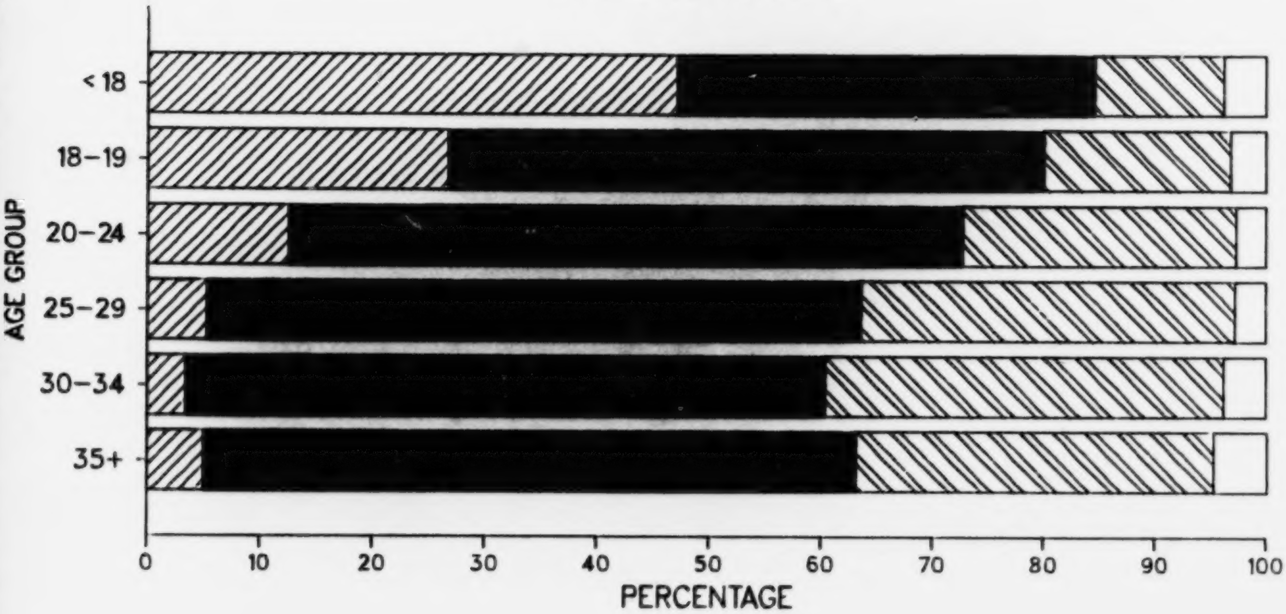
Never used - "I've never used any form of birth control."

Used in Past but Not Now - includes responses similar to "I've used some type of birth control but not when I became pregnant" or "I usually use a method of contraception but through human error it was not effective (missed a pill, forgot to check for my IUD, did not use my diaphragm once or twice, etc.)". Please note that when comparing this category to previous years it will be necessary to combine the categories "Discontinued Use" and "Interrupted Use" which were collected and reported separately prior to the 1984 revision of the collection document.

Was Using - "I was using contraception when I became pregnant."

[3] Percent is read horizontally to equal 100%, i.e., each percent is the proportion of women in that age group reporting any contraceptive use.

FIGURE 5
LEVEL OF CONTRACEPTIVE USE BY AGE GROUP RECEIVING INDUCED ABORTIONS
MINNESOTA RESIDENTS, 1984 [1]



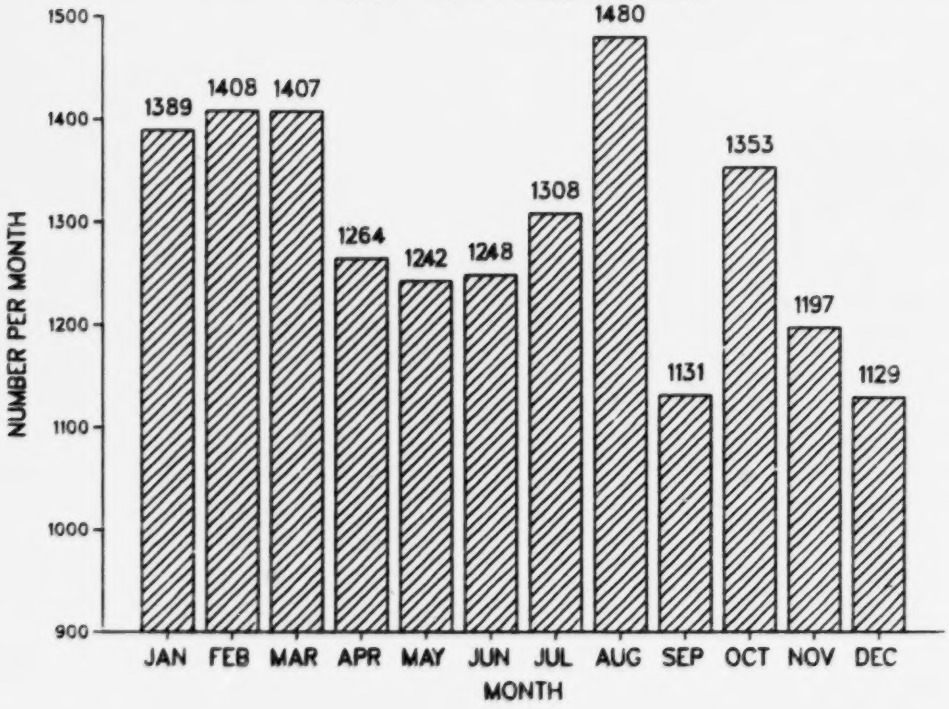
---

[1] The data relative to contraceptive use are subjective, as reporting relies on client recall.

Table 31
REPORTED INDUCED ABORTIONS BY QUARTER AND RESIDENCE MINNESOTA, 1984

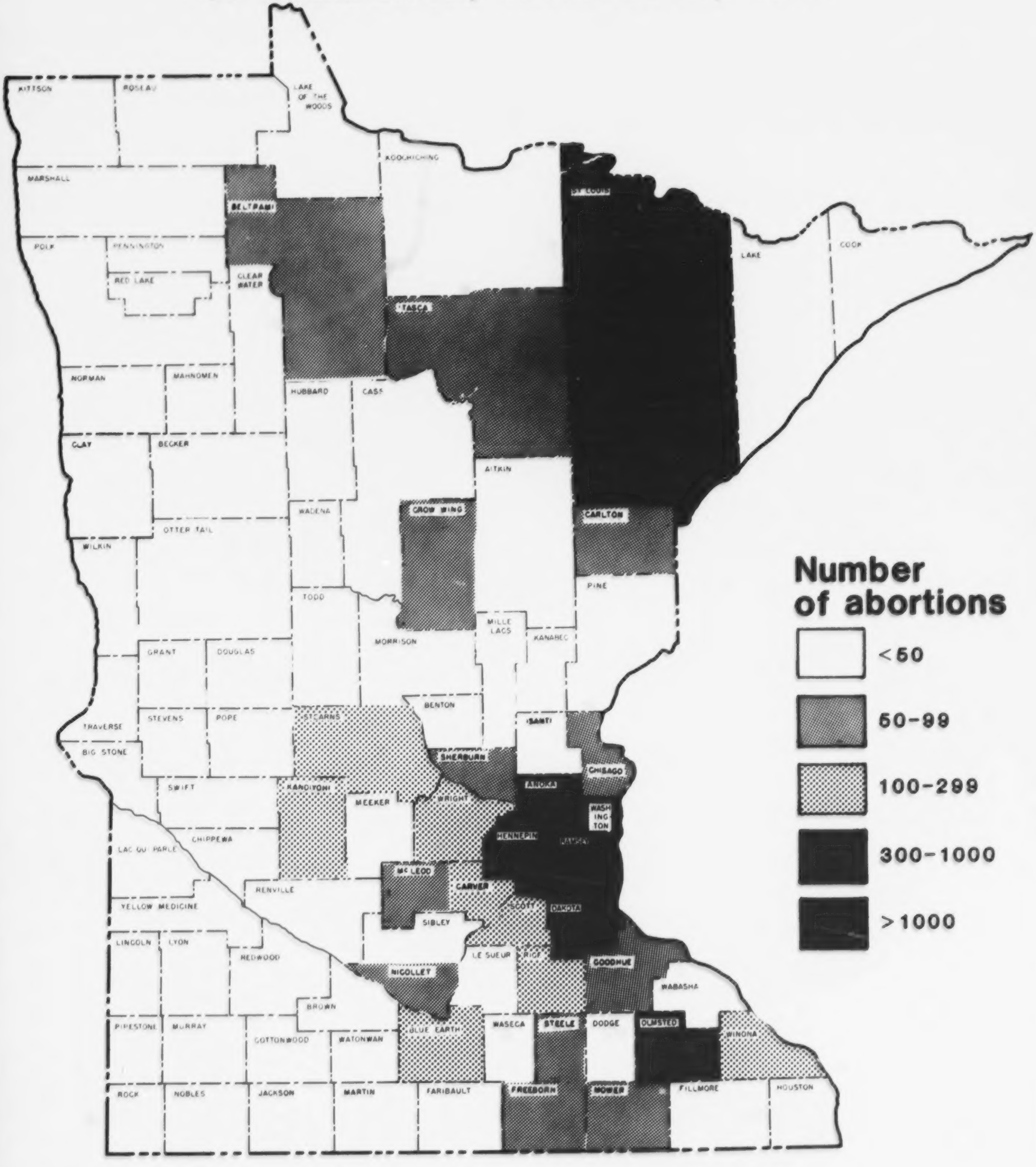
	Total Reported Abortions		Minnesota Resident Abortions		
Quarter	Number	Percent	Number	Percent	Resident Percent
Jan - Mar	4,684	27.1	4,204	27.0	89.8
Apr - June	4,146	23.9	3,754	24.1	90.5
July - Sept	4,397	25.4	3,919	25.2	89.1
Oct - Dec	4,087	23.6	3,679	23.7	90.0
TOTAL	17,314	100.0	15,556	100.0	89.8

FIGURE 6
NUMBER OF ABORTIONS BY MONTH PERFORMED MINNESOTA RESIDENTS, 1984



68

FIGURE 7
REPORTED INDUCED ABORTIONS BY COUNTY OF RESIDENCE, MINNESOTA, 1984


KITTSON
ROSEAU
LAKE OF THE WOODS
KOOCHICHING
MARSHALL
BELTRAMI
ST LOUIS
LAKE
COOK
POLK
PENNINGTON
RED LAKE
CLEAR WATER
ITASCA
NORMAN
MAHNOMEN
HUBBARD
CASS
CLAY
BECKER
AITKIN
WADENA
CROW WING
CARLTON
OTTER TAIL
WILKIN
PINE
TODD
MILLE LACS
KANABEC
MORRISON
GRANT
DOUGLAS
BENTON
TRAVERSE
STEVENS
POPE
STEARNS
ISANTI
BIG STONE
SHERBURNE
CHISAGO
ANOKA
SWIFT
KANDIYOHI
MEEKER
WRIGHT
WASH ING TON
HENNEPIN
RAMSEY
LAC QUI PARLE
CHIPPEWA
McLEOD
CARVER
RENVILLE
SCOTT
DAKOTA
YELLOW MEDICINE
SIBLEY
LINCOLN
LYON
REDWOOD
LE SUEUR
RICE
GOODHUE
NICOLLET
WABASHA
BROWN
PIPESTONE
MURRAY
COTTONWOOD
WATONWAN
BLUE EARTH
WASECA
STEELE
DODGE
OLMSTED
WINONA
ROCK
NOBLES
JACKSON
MARTIN
FARIBAULT
FREEBORN
MOWER
FILLMORE
HOUSTON
Number of abortions
<50
50-99
100-299
300-1000
>1000

69

BEST COPY AVAILABLE

Table 32
REPORTED INDUCED ABORTIONS OCCURRING IN MINNESOTA TO NON-MINNESOTA RESIDENTS BY STATE OR COUNTRY OF RESIDENCE, 1984

State or Foreign Country of Residence	Number	Percent
Illinois	11	0.6
Iowa	96	5.5
Michigan	57	3.2
North Dakota	76	4.3
South Dakota	145	8.2
Wisconsin	1,113	63.3
Other U.S. States	56	3.2
Canada	147	8.4
Other Foreign Countries and Unknown	57	3.2
TOTAL	1,758	100.0

Fertility

Table 33
TOTAL REPORTED PREGNANCIES BY OUTCOME TYPE AND RATE
MINNESOTA RESIDENTS, 1975-1984

	Outcome Type					
Year	Live Births	Reported[1] Induced Abortions	Fetal[2] Deaths	Total[3] Reported Pregnancies	Female Population Ages 15-44	Pregnancy[4] Rate
1975	56,463	8,924	479	65,866	866,874	76.0
1976	56,599	11,109	487	68,195	888,994	76.7
1977	60,284	13,036	471	73,791	907,525	81.3
1978	61,977	14,521	468	76,966	929,085	82.8
1979	65,325	15,647	445	81,417	955,260	85.2
1980	67,843	16,490	449	84,782	958,773	88.4
1981	68,652	15,821	461	84,934	970,144	87.5
1982	68,512	15,559	429	84,500	982,124	86.0
1983	65,559	14,514	457	80,530	987,430	81.6
1984	66,715	15,556	465	82,736	990,307	83.5

---

[1] Includes only those reported induced abortions occurring in Minnesota to Minnesota residents
[2] Includes reported fetal deaths of 20 weeks or more gestation
[3] Excludes miscarriages
[4] Number of pregnancies per 1,000 women in the population of ages 15 through 44

Table 34
PREGNANCY OUTCOMES AND PREGNANCY RATES BY AGE OF WOMAN
MINNESOTA RESIDENTS, 1980-1984

		Age of Woman								
Year	Total*	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
1980										
Live Births	67,843	45	1,988	5,000	22,546	24,035	11,300	2,485	437	7
Fetal Deaths	449	1	13	38	140	131	79	29	9	9
Induced Abortions	16,490	104	2,223	3,380	6,054	2,823	1,219	491	183	13
Total Pregnancies**	84,782	150	4,224	8,418	28,740	26,989	12,598	3,005	629	29
Age Specific Pregnancy Rate***	80.2	1.5	36.9	101.3	144.6	149.3	80.5	24.4	6.2	-
1981										
Live Births	68,652	48	1,881	4,741	22,293	24,361	12,235	2,659	425	9
Fetal Deaths	461	-	18	31	135	162	78	23	6	8
Induced Abortions	15,821	83	1,737	3,064	6,047	2,847	1,334	525	175	9
Total Pregnancies**	84,934	131	3,636	7,836	28,475	27,370	13,647	3,207	606	26
Age Specific Pregnancy Rate***	79.7	1.4	33.4	98.1	140.5	149.2	82.5	25.6	5.8	-
1982										
Live Births	68,512	57	1,721	4,347	21,751	24,369	12,735	3,064	458	10
Fetal Deaths	429	-	16	37	132	121	88	27	6	2
Induced Abortions	15,559	82	1,482	2,799	5,963	2,972	1,461	570	178	52
Total Pregnancies**	84,500	139	3,219	7,183	27,846	27,462	14,284	3,661	642	64
Age Specific Pregnancy Rate***	78.4	1.5	31.2	92.5	136.4	146.9	84.9	27.3	6.0	-
1983										
Live Births	65,559	53	1,521	3,756	19,844	23,734	13,042	3,154	451	4
Fetal Deaths	457	2	15	35	137	134	85	36	5	8
Induced Abortions	14,514	96	1,336	2,547	5,487	2,871	1,359	607	176	35
Total Pregnancies**	80,530	151	2,872	6,338	25,468	26,739	14,486	3,797	632	47
Age Specific Pregnancy Rate***	74.2	1.6	29.5	85.5	125.7	141.5	84.9	27.1	5.6	-
1984										
Live Births	66,715	50	1,604	3,608	19,417	24,348	13,676	3,523	478	11
Fetal Deaths	465	-	19	24	136	139	106	31	6	4
Induced Abortions	15,556	90	1,305	2,586	6,032	3,111	1,575	627	212	18
Total Pregnancies**	82,736	140	2,928	6,218	25,585	27,598	15,357	4,181	696	33
Age Specific Pregnancy Rate***	76.3	1.5	31.1	89.2	128.5	144.6	88.4	28.7	5.9	-

---

* For purposes of this table total pregnancy rates are calculated per 1,000 female population of ages 12 through 44

** Does not include miscarriages

*** Total pregnancies within a specified age group per 1,000 female population within the same age group

Infant Mortality and Fetal Deaths

Table 35
INFANT, NEONATAL AND POSTNEONATAL DEATHS BY CAUSE
MINNESOTA RESIDENTS, 1984

Causes of Death	Infant Deaths	Neonatal				Post-neonatal
		Total	Under 1 Day	1-6 Days	7-27 Days	
All Causes - Total	590	362	214	105	43	228
Certain conditions originating in the perinatal period	240	224	159	52	13	16
Maternal conditions	62	61	59	2	-	1
Respiratory distress syndrome	51	47	18	24	5	4
Short gestation and low birth weight	42	42	39	3	-	-
Selected respiratory conditions of fetus and newborn	41	33	26	6	1	8
Intrauterine hypoxia and birth asphyxia	14	14	3	9	2	-
Fetal and neonatal hemorrhage	3	3	1	-	2	-
Birth trauma	2	1	-	1	-	1
Congenital anomalies	140	106	49	40	17	34
Of heart	49	29	4	16	9	20
Of respiratory system	28	27	17	8	2	1
Anencephalus and similar anomalies	10	10	9	1	-	-
Chromosomal anomalies	8	5	-	4	1	3
Of urinary system	7	7	6	1	-	-
Symptoms, signs, and ill-defined conditions	110	9	2	2	5	101
Sudden infant death syndrome	107	6	-	1	5	101
Diseases of the circulatory system	25	5	-	3	2	20
Injury and poisoning	19	2	1	1	-	17
Unintentionl Injury	13	1	-	1	-	12
Motor vehicle	3	-	-	-	-	3
Mechanical suffocation	3	-	-	-	-	3
Homicide	6	1	1	-	-	5
Diseases of the respiratory system	16	2	-	2	-	14
Pneumonia and influenza	8	2	-	2	-	6
Diseases of the nervous system and sense organs	15	1	-	1	-	14
Infective and parasitic diseases	7	3	-	1	2	4
Septicemia	3	-	-	-	-	3
Diseases of the digestive system	7	5	2	-	3	2
Neoplasms	4	-	-	-	-	4
Malignant neoplasms	3	-	-	-	-	3
Endocrine, nutritional, and metabolic diseases and immunity disorders	3	3	1	1	1	-
Diseases of the genitourinary system	2	2	-	2	-	-
Diseases of the blood and blood forming organs	1	-	-	-	-	1
Mental disorders	1	-	-	-	-	1

Table 36
FETAL DEATHS OF 20 WEEKS AND OVER BY CAUSE AND WEIGHT OF FETUS
MINNESOTA RESIDENTS, 1984

Cause of Death	Total Fetal Deaths	Weight in Grams: 999 or Less	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 to 3,499	3,500 to 3,999	4,000 to 4,499	4,500 and Over	Weight Unknown
Total All Causes	465	135	29	32	34	40	47	16	5	2	125
Complications of Placenta, Cord, or Membranes	159	34	9	13	16	15	22	9	-	1	40
Congenital Anomalies	51	11	7	5	3	4	2	2	-	1	16
Anencephalus and Similar Anomalies	(15)	(4)	(3)	(2)	(-)	(1)	(-)	(1)	(-)	(-)	(4)
Hydrocephalus	(3)	(-)	(1)	(-)	(-)	(1)	(1)	(-)	(-)	(-)	(-)
Maternal Conditions Related to Pregnancy	43	24	-	4	-	1	-	1	-	-	13
Short Gestation and Low Birthweight	31	19	1	2	-	-	-	-	-	-	9
Maternal Conditions Unrelated to Pregnancy	24	8	1	1	3	4	1	1	-	-	5
Other Diseases or Conditions Specific to the Perinatal Period	11	2	-	2	2	1	-	-	-	-	4
Hypoxia and Birth Asphyxia	11	1	1	-	-	1	3	1	-	-	4
Complications of Labor and Delivery	5	-	-	1	-	-	-	-	1	-	3
Malpresentation of Fetus	(2)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(2)
Slow Fetal Growth and Fetal Malnutrition	4	2	-	-	1	-	-	-	-	-	1
Syndrome of "Infant of a Diabetic Mother"	4	2	-	-	-	-	1	-	1	-	-
Other Diseases Not Specific to Perinatal Period	2	-	-	-	1	-	-	-	-	-	1
Hemolytic Disease of Fetus	1	-	-	-	1	-	-	-	-	-	-
Ill-defined Conditions Originating in Perinatal Period	119	32	10	4	7	14	18	2	3	-	29

General Mortality

Every day in 1984, residents of Minnesota experienced an average of:

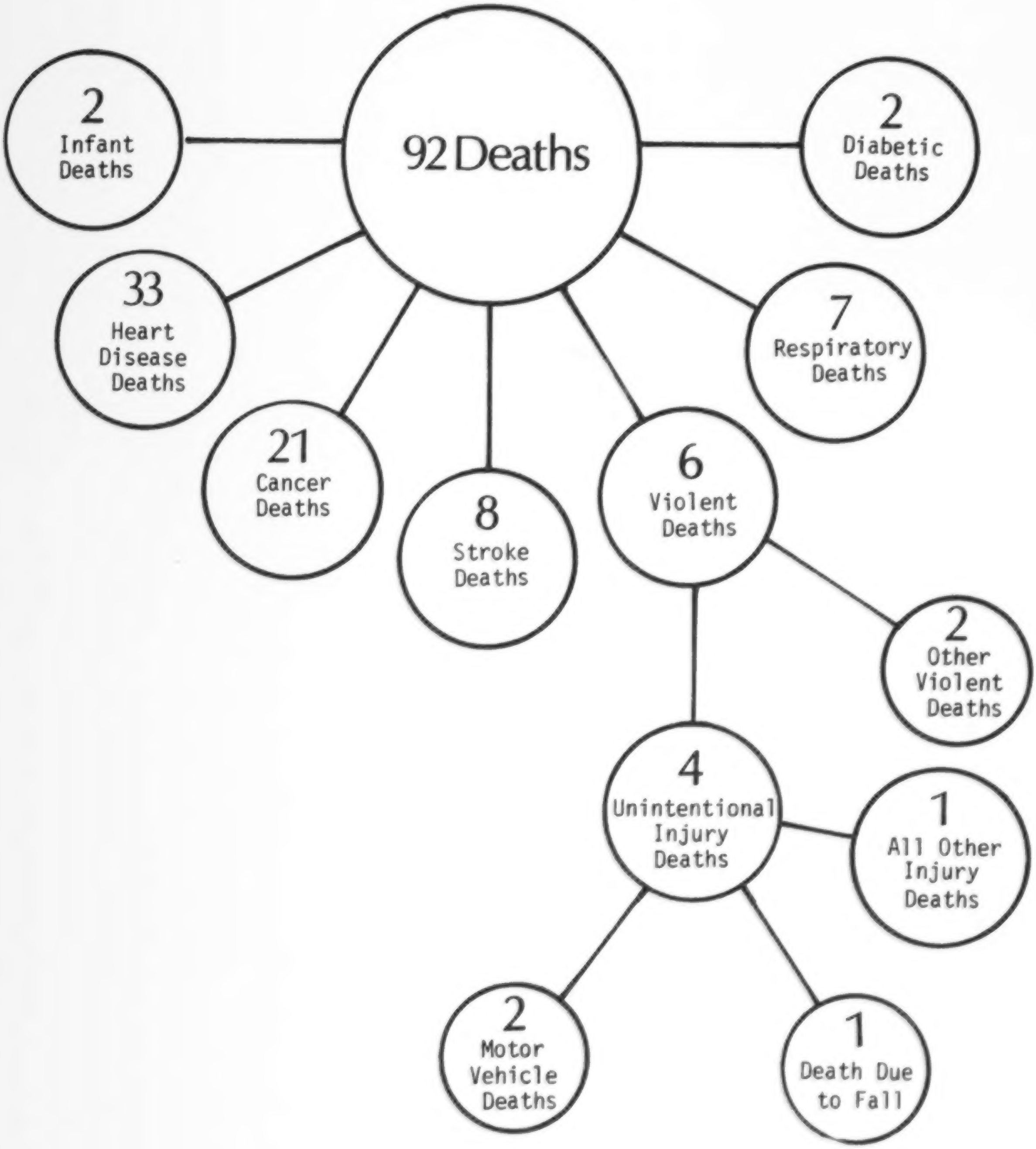

92 Deaths
2
Infant Deaths
2
Diabetic Deaths
33
Heart Disease Deaths
7
Respiratory Deaths
21
Cancer Deaths
8
Stroke Deaths
6
Violent Deaths
2
Other Violent Deaths
4
Unintentional Injury Deaths
1
All Other Injury Deaths
2
Motor Vehicle Deaths
1
Death Due to Fall

Table 37
DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH
MINNESOTA, 1984

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
State Total	34,003	26,327	6,022	1,654	6,022	1,397	33,746
Aitkin	136	119	16	1	67	3	189
Anoka	861	547	295	19	263	17	827
Becker	247	209	33	5	30	51	290
Beltrami	265	215	42	8	35	15	265
Benton	155	130	24	1	102	3	235
Big Stone	103	71	17	15	21	10	102
Blue Earth	458	330	127	1	54	7	391
Brown	277	193	81	3	67	3	263
Carlton	241	202	39	-	84	1	287
Carver	203	119	81	3	103	3	225
Cass	187	148	36	3	126	15	289
Chippewa	124	114	9	1	50	3	167
Chisago	181	146	34	1	62	18	226
Clay	250	198	20	32	16	145	359
Clearwater	94	86	8	-	20	10	116
Cook	39	31	5	3	11	1	43
Cottonwood	139	118	21	-	24	15	157
Crow Wing	436	338	88	10	65	13	416
Dakota	717	558	131	28	409	26	993
Dodge	44	38	5	1	66	2	106
Douglas	303	244	53	6	25	11	280
Faribault	215	197	10	8	59	5	261
Fillmore	199	169	24	6	74	27	270
Freeborn	381	320	34	27	58	17	395
Goodhue	397	339	40	18	99	10	448
Grant	86	67	17	2	29	4	100
Hennepin	8,634	6,822	1,473	339	632	146	7,600
Minneapolis	4,380	2,708	1,470	202	1,154	63	3,925
Houston	119	106	8	5	8	48	162
Hubbard	149	92	49	8	18	24	134
Isanti	176	138	37	1	50	-	188
Itasca	365	308	52	5	66	7	381
Jackson	99	87	10	2	31	8	126
Kanabec	132	96	33	3	23	2	121
Kandiyohi	377	264	110	3	42	7	313
Kittson	90	76	10	4	1	10	87
Koochiching	129	118	8	3	29	7	154
Lac Qui Parle	104	97	5	2	20	8	125
Lake	88	81	6	1	26	1	108
Lake of the Woods	49	41	8	-	9	8	58
Le Sueur	130	108	21	1	94	-	202
Lincoln	99	66	20	13	7	7	80
Lyon	201	160	37	4	43	23	226
McLeod	288	221	66	1	46	4	271
Mahnomen	34	30	4	-	10	14	54
Marshall	70	63	6	1	38	18	119
Martin	233	206	12	15	38	16	260
Meeker	193	150	42	1	49	2	201
Mille Lacs	196	158	37	1	65	2	225
Morrison	261	232	21	8	45	1	278
Mower	335	302	27	6	91	13	406

Table 37

DEATHS BY COUNTY OF OCCURRENCE DISTRIBUTED ACCORDING TO RESIDENCE: RESIDENT DEATHS DISTRIBUTED ACCORDING TO PLACE OF DEATH, MINNESOTA, 1984 (CONT.)

	Deaths Occurring in County				Resident Deaths		
					Outside County		
County	Total	County Residents	Other Minnesota Residents	Out of State Residents	Within Minnesota	Outside Minnesota	Total
Murray	65	61	3	1	24	15	100
Nicollet	116	87	28	1	84	4	175
Nobles	170	140	22	8	18	29	187
Norman	102	95	7	-	16	24	135
Olmsted	1,521	568	491	462	30	13	611
Otter Tail	458	407	40	11	83	63	553
Pennington	168	120	48	-	16	13	149
Pine	118	110	6	2	80	8	198
Pipestone	116	109	7	-	11	25	145
Polk	310	258	34	18	33	83	374
Pope	146	119	25	2	23	4	146
Ramsey	4,213	3,329	754	130	484	55	3,868
St. Paul	3,538	2,260	1,154	124	365	38	2,663
Red Lake	26	24	2	-	18	8	50
Redwood	168	134	34	-	90	4	228
Renville	165	142	22	1	66	-	208
Rice	361	295	63	3	70	3	368
Rock	92	77	8	7	4	20	101
Roseau	111	102	5	4	15	17	134
St. Louis	2,331	1,921	211	199	103	35	2,059
Duluth	1,356	921	246	189	82	20	1,023
Scott	305	202	99	4	66	3	271
Sherburne	134	90	43	1	91	4	185
Sibley	105	96	6	3	70	1	167
Stearns	883	562	303	18	135	9	706
Steele	203	170	31	2	63	3	236
Stevens	85	74	10	1	25	4	103
Swift	130	108	22	-	48	3	159
Todd	148	137	10	1	108	5	250
Traverse	58	38	9	11	15	11	64
Wabasha	199	146	25	28	56	2	204
Wadena	199	119	78	2	21	16	156
Waseca	105	93	10	2	58	4	155
Washington	367	287	71	9	228	29	544
Watonwan	112	92	20	-	31	3	126
Wilkin	123	57	3	63	7	10	74
Winona	356	319	19	18	40	41	400
Wright	305	257	45	3	154	7	418
Yellow Medicine	140	114	16	10	38	8	160
Unknown	-	-	-	-	-	-	-

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
000-139	I. INFECTIOUS AND PARASITIC DISEASES	T	274	7	3	2	-	2	1	7	10	4	3	4	5	11	13	29	25	29	43	76
		M	134	6	2	-	-	-	1	3	10	4	1	1	-	9	5	14	11	17	20	30
		F	140	1	1	2	-	2	-	4	-	-	2	3	5	2	8	15	14	12	23	46
001-009	Intestinal Infectious Diseases	T	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2
		M	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1
004	Shigellosis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
010-018, 137	Tuberculosis (Including Late Effects Of)	T	12	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	1	5	1
		M	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-
		F	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	5	1
010-012	Respiratory Tuberculosis (Active)	T	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	1
		M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		F	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1
013-018	Other Tuberculosis (Active)	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137	Late Effects of Tuberculosis	T	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-
		M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-
		F	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-
032	Diphtheria	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
033	Whooping Cough	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
034-035	Streptococcal Sore Throat, Scarlatina, and Erysipelas	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
		M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
036	Meningococcal Infection	T	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		M	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
		F	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
037	Tetanus	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
038	Septicemia	T	154	3	-	-	-	-	1	1	3	2	-	1	3	5	5	9	16	16	29	60
		M	76	3	-	-	-	-	1	-	3	2	-	-	-	3	2	4	6	11	15	26
		F	78	-	-	-	-	-	-	1	-	-	-	1	3	2	3	5	10	5	14	34
045	Acute Poliomyelitis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
055	Measles	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
062-064	Viral Encephalitis (Acute)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
070	Viral Hepatitis	T	6	-	-	1	-	-	-	-	-	1	-	1	1	-	1	-	-	1	-	-
		M	2	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
		F	4	-	-	1	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-
090-097	Syphilis	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	Other Infectious and Parasitic Diseases	T	92	3	1	1	-	2	-	6	7	1	3	2	1	6	6	17	6	10	7	13
		M	46	2	1	-	-	-	-	3	7	1	1	-	-	6	2	7	4	5	4	3
		F	46	1	-	1	-	2	-	3	-	-	2	2	1	-	4	10	2	5	3	10

TABLE 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
140-239	II. NEOPLASMS	T	7,652	4	14	9	7	23	27	37	38	92	140	205	349	571	794	1,039	1,194	1,135	904	1,070
		M	3,968	2	4	4	4	19	16	22	16	43	61	94	156	317	441	595	656	.616	453	449
		F	3,684	2	10	5	3	4	11	15	22	49	79	111	193	254	353	444	538	519	451	621
140-208	Malignant Neoplasms	T	7,542	3	13	8	7	22	27	35	37	91	136	204	348	566	790	1,029	1,175	1,120	887	1,044
		M	3,921	2	4	4	4	18	16	21	16	42	58	94	156	314	439	590	648	610	446	439
		F	3,621	1	9	4	3	4	11	14	21	49	78	110	192	252	351	439	527	510	441	605
140-149	Of Lip, Oral Cavity and Pharynx	T	132	-	-	-	-	1	-	-	2	4	-	4	8	10	22	25	21	20	4	11
		M	86	-	-	-	-	1	-	-	-	1	-	4	6	5	15	16	19	12	2	5
		F	46	-	-	-	-	-	-	-	2	3	-	-	2	5	7	9	2	8	2	6
150-159	Of Digestive Organs and Peritoneum	T	2,054	-	2	-	1	1	1	7	5	18	27	47	77	132	199	280	338	318	252	349
		M	1,074	-	1	-	-	-	1	5	-	11	21	27	45	79	129	164	176	159	121	135
		F	980	-	1	-	1	1	-	2	5	7	6	20	32	53	70	116	162	159	131	214
150	Of Esophagus	T	159	-	-	-	-	-	-	-	-	-	1	3	9	11	27	29	30	18	15	16
		M	121	-	-	-	-	-	-	-	-	-	1	3	6	9	24	23	24	13	9	9
		F	38	-	-	-	-	-	-	-	-	-	-	-	3	2	3	6	6	5	6	7
151	Of Stomach	T	238	-	-	-	-	-	1	1	1	1	4	7	10	18	30	26	33	32	32	42
		M	141	-	-	-	-	-	1	1	-	-	3	5	6	14	19	15	19	19	23	16
		F	97	-	-	-	-	-	-	-	1	1	1	2	4	4	11	11	14	13	9	26
152	Of Small Intestine, Including Duodenum	T	14	-	-	-	-	-	-	-	-	-	1	-	1	-	2	2	1	3	3	1
		M	6	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	2	2	-
		F	8	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	1	1	1
153	Of Colon	T	825	-	-	-	-	1	-	2	1	9	7	18	28	35	68	116	128	143	101	168
		M	401	-	-	-	-	-	-	2	-	4	4	8	19	21	41	63	66	68	49	56
		F	424	-	-	-	-	1	-	-	1	5	3	10	9	14	27	53	62	75	52	112
154	Of Rectum, Rectosigmoid Junction and Anus	T	146	-	-	-	-	-	-	-	-	1	3	7	4	13	7	19	22	19	19	32
		M	74	-	-	-	-	-	-	-	-	1	2	4	3	7	7	8	9	11	9	13
		F	72	-	-	-	-	-	-	-	-	-	1	3	1	6	-	11	13	8	10	19
160-165	Of Respiratory System	T	1,694	-	-	-	-	2	2	2	3	9	18	42	100	185	223	297	332	234	138	107
		M	1,176	-	-	-	-	2	2	1	1	5	12	33	58	127	159	213	237	166	104	56
		F	518	-	-	-	-	-	-	1	2	4	6	9	42	58	64	84	95	68	34	51
162	Of Trachea, Bronchus and Lung	T	1,628	-	-	-	-	1	1	2	3	9	17	39	97	179	215	287	322	225	132	99
		M	1,124	-	-	-	-	1	1	1	1	5	11	30	56	122	154	204	230	159	99	50
		F	504	-	-	-	-	-	-	1	2	4	6	9	41	57	61	83	92	66	33	49
170-175	Of Bone, Connective Tissue, Skin and Breast	T	849	-	1	-	2	4	4	7	8	23	42	41	56	88	100	96	93	96	76	112
		M	116	-	-	-	1	4	2	3	3	4	5	3	4	15	17	12	14	14	8	7
		F	733	-	1	-	1	-	2	4	5	19	37	38	52	73	83	84	79	82	68	105
172-173	Of Skin	T	119	-	-	-	-	1	1	4	5	6	5	4	6	15	17	11	13	12	6	13
		M	76	-	-	-	-	1	1	2	3	4	3	2	4	11	11	9	9	9	4	3
		F	43	-	-	-	-	-	-	2	2	2	2	2	2	4	6	2	4	3	2	10
174-175	Of Breast	T	666	-	-	-	-	-	1	2	3	17	32	36	46	66	75	82	72	77	64	93
		M	6	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-	-	2	-
		F	660	-	-	-	-	-	1	2	3	17	31	36	46	65	74	81	72	77	62	93
179-189	Of Genitourinary Organs	T	1,224	-	-	-	1	1	2	-	5	5	16	27	43	65	100	148	183	214	174	240
		M	707	-	-	-	-	-	2	-	5	1	5	5	9	29	45	89	98	143	114	162
		F	517	-	-	-	1	1	-	-	-	4	11	22	34	36	55	59	85	71	60	78
179-182	Of Uterus, Cervix and Placenta	T	131	-	-	-	-	-	-	-	-	3	4	7	8	10	17	14	27	15	10	16
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	131	-	-	-	-	-	-	-	-	3	4	7	8	10	17	14	27	15	10	16
185	Of Prostate	T	492	-	-	-	-	-	-	-	-	-	-	1	4	14	29	54	73	113	87	117
		M	492	-	-	-	-	-	-	-	-	-	-	1	4	14	29	54	73	113	87	117
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190-199	Of Other and Unspecified Sites	T	764	2	8	6	2	2	5	6	6	18	19	22	32	49	80	94	90	103	105	115
		M	359	1	3	3	2	2	3	4	4	10	7	11	17	35	38	50	40	56	37	36
		F	405	1	5	3	-	-	2	2	2	8	12	11	15	14	42	44	50	47	68	79
191-192	Of Brain and Other Parts of Central Nervous System	T	211	1	3	4	2	2	2	4	6	9	7	9	16	17	35	29	28	22	11	4
		M	112	-	2	1	2	2	1	2	4	4	5	4	10	11	16	15	14	13	4	2
		F	99	1	1	3	-	-	1	2	2	5	2	5	6	6	19	14	14	9	7	2

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
200-208	Of Lymphatic and Hematopoietic Tissue	T	825	1	2	2	1	11	13	13	8	14	14	21	32	37	66	89	118	135	138	110
		M	403	1	-	1	1	9	6	8	3	10	8	11	17	24	36	46	64	60	60	38
		F	422	-	2	1	-	2	7	5	5	4	6	10	15	13	30	43	54	75	78	72
201	Hodgkin's Disease	T	44	-	-	-	-	3	2	4	2	2	2	4	1	7	3	2	5	2	4	1
		M	29	-	-	-	-	3	-	4	-	1	2	3	1	6	2	1	3	2	1	-
		F	15	-	-	-	-	-	2	-	2	1	-	1	-	1	1	1	2	-	3	1
204-208	Leukemia	T	341	1	1	2	1	6	10	8	4	7	3	9	14	14	24	31	41	54	63	48
		M	172	1	-	1	1	4	5	4	3	5	2	3	9	9	13	19	24	27	30	12
		F	169	-	1	1	-	2	5	4	1	2	1	6	5	5	11	12	17	27	33	36
210-239	Benign Neoplasms and Neoplasms of Uncertain Behavior	T	110	1	1	1	-	1	-	2	1	1	4	1	1	5	4	10	19	15	17	26
		M	47	-	-	-	-	1	-	1	-	1	3	-	-	3	2	5	8	6	7	10
		F	63	1	1	1	-	-	-	1	1	-	1	1	1	2	2	5	11	9	10	16
240-279	III. ENDOCRINE,NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS	T	747	3	-	3	2	1	4	6	8	11	11	19	22	29	54	73	87	99	115	200
		M	322	1	-	2	-	-	1	3	6	7	7	10	15	14	32	37	35	37	44	71
		F	425	2	-	1	2	1	3	3	2	4	4	9	7	15	22	36	52	62	71	129
250	Diabetes Mellitus	T	559	-	-	1	-	-	-	3	5	7	8	14	18	25	48	57	69	81	92	131
		M	242	-	-	-	-	-	-	1	3	4	5	8	12	10	30	28	30	31	38	42
		F	317	-	-	1	-	-	-	2	2	3	3	6	6	15	18	29	39	50	54	89
260-269	Nutritional Deficiencies	T	49	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	3	7	35
		M	15	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2	11
		F	34	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	2	5	24
Residual	(240-249, 251-259, 270-279)	T	139	3	-	2	2	1	4	3	3	3	3	4	4	4	6	15	17	15	16	34
		M	65	1	-	2	-	-	1	2	3	2	2	2	3	4	2	9	5	5	4	18
		F	74	2	-	-	2	1	3	1	-	1	1	2	1	-	4	6	12	10	12	16
280-289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	T	133	1	1	-	-	1	1	3	-	1	1	2	2	6	7	12	14	29	12	40
		M	64	1	-	-	-	1	-	3	-	1	1	-	-	3	4	7	7	17	9	10
		F	69	-	1	-	-	-	1	-	-	-	-	2	2	3	3	5	7	12	3	30
280-285	Anemias	T	75	-	1	-	-	-	1	2	-	-	1	1	-	1	3	2	8	18	6	31
		M	32	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-	5	13	5	5
		F	43	-	1	-	-	-	1	-	-	-	-	1	-	1	2	2	3	5	1	26
Residual	(286-289)	T	58	1	-	-	-	1	-	1	-	1	-	1	2	5	4	10	6	11	6	9
		M	32	1	-	-	-	1	-	1	-	1	-	-	-	3	3	7	2	4	4	5
		F	26	-	-	-	-	-	-	-	-	-	-	1	2	2	1	3	4	7	2	4
290-319	V. MENTAL DISORDERS	T	413	1	1	2	-	2	3	1	3	3	9	9	4	10	10	27	30	30	64	204
		M	168	1	1	2	-	1	1	-	1	2	7	7	4	7	8	21	21	13	25	46
		F	245	-	-	-	-	1	2	1	2	1	2	2	-	3	2	6	9	17	39	158
320-389	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	T	573	15	6	5	5	5	4	3	6	7	5	12	18	20	38	47	84	96	89	108
		M	299	13	3	3	3	4	4	2	5	3	2	6	11	10	16	21	51	50	38	54
		F	274	2	3	2	2	1	-	1	1	4	3	6	7	10	22	26	33	46	51	54
320-322	Meningitis (Excludes Infective Meningitis)	T	25	7	-	1	1	-	1	-	-	-	-	-	-	-	4	1	4	-	2	4
		M	15	6	-	-	1	-	1	-	-	-	-	-	-	-	2	1	1	-	1	2
		F	10	1	-	1	-	-	-	-	-	-	-	-	-	-	2	-	3	-	1	2
322	Parkinson's Disease	T	128	-	-	-	-	-	-	-	-	-	-	-	-	1	6	7	19	32	28	35
		M	73	-	-	-	-	-	-	-	-	-	-	-	-	1	4	3	13	17	14	21
		F	55	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	6	15	14	14
340	Multiple Sclerosis	T	35	-	-	-	-	-	-	1	1	2	2	3	1	6	6	7	1	5	-	-
		M	14	-	-	-	-	-	-	1	-	1	1	2	1	3	1	3	-	1	-	-
		F	21	-	-	-	-	-	-	-	1	1	1	1	-	3	5	4	1	4	-	-
Residual	(323-331, 333-339, 341-389)	T	385	8	6	4	4	5	3	2	5	5	3	9	17	13	22	32	60	59	59	69
		M	197	7	3	3	2	4	3	1	5	2	1	4	10	6	9	14	37	32	23	31
		F	188	1	3	1	2	1	-	1	-	3	2	5	7	7	13	18	23	27	36	38

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
390-459	VII. DISEASES OF THE CIRCULATORY SYSTEM	T	16,145	25	8	3	7	12	9	19	30	58	101	172	297	574	970	1,402	1,938	2,425	2,690	5,405
		M	8,265	13	5	2	5	9	6	11	19	45	79	129	229	423	694	918	1,219	1,333	1,265	1,861
		F	7,880	12	3	1	2	3	3	8	11	13	22	43	68	151	276	484	719	1,092	1,425	3,544
390-398, 402, 404-429	Diseases of the Heart	T	12,134	22	5	2	7	7	7	12	23	49	85	153	253	497	817	1,138	1,573	1,834	1,963	3,687
		M	6,577	12	3	2	5	5	5	7	17	40	72	118	203	385	601	748	1,009	1,052	968	1,325
		F	5,557	10	2	-	2	2	2	5	6	9	13	35	50	112	216	390	564	782	995	2,362
390-398	Acute Rheumatic Fever and Chronic Rheumatic Heart Disease	T	129	1	-	-	-	-	1	2	2	1	-	4	5	8	7	11	18	27	23	19
		M	41	1	-	-	-	-	-	-	1	1	-	-	-	2	4	4	4	11	6	7
		F	88	-	-	-	-	-	1	2	1	-	-	4	5	6	3	7	14	16	17	12
402-404	Hypertensive Heart With or Without Renal Disease	T	220	-	-	-	-	-	-	-	1	-	2	-	9	6	9	22	33	30	36	72
		M	89	-	-	-	-	-	-	-	1	-	2	-	6	5	7	12	17	14	13	12
		F	131	-	-	-	-	-	-	-	-	-	-	-	3	1	2	10	16	16	23	60
410-414	Ischemic Heart Disease	T	8,865	-	-	-	-	-	3	5	12	33	65	126	180	380	649	889	1,206	1,365	1,440	2,512
		M	5,044	-	-	-	-	-	2	4	10	28	55	101	157	313	483	600	796	799	742	954
		F	3,821	-	-	-	-	-	1	1	2	5	10	25	23	67	166	289	410	566	698	1,558
410	Acute Myocardial Infarction	T	4,361	-	-	-	-	-	2	-	6	18	34	75	102	213	364	527	675	759	708	878
		M	2,595	-	-	-	-	-	1	-	4	16	27	62	89	169	264	350	438	455	350	370
		F	1,766	-	-	-	-	-	1	-	2	2	7	13	13	44	100	177	237	304	358	508
411	Other Acute and Subacute Forms	T	49	-	-	-	-	-	-	-	-	-	-	1	2	4	1	7	4	2	8	20
		M	29	-	-	-	-	-	-	-	-	-	-	1	2	4	1	6	4	1	3	7
		F	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	5	13
412	Old Myocardial Infarction	T	19	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	2	1	3	8
		M	14	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	1	2	5
		F	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	3
413	Angina Pectoris	T	21	-	-	-	-	-	-	1	-	-	-	1	-	1	2	1	3	3	2	7
		M	10	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	3	1	2
		F	11	-	-	-	-	-	-	1	-	-	-	1	-	-	1	1	1	-	1	5
414	Chronic Ischemic Heart Disease	T	4,415	-	-	-	-	-	1	4	6	15	31	49	75	162	280	352	522	600	719	1,599
		M	2,396	-	-	-	-	-	1	4	6	12	28	38	66	139	215	242	350	339	386	570
		F	2,019	-	-	-	-	-	-	-	-	3	3	11	9	23	65	110	172	261	333	1,029
415-416	Pulmonary Heart Disease	T	231	1	1	1	1	1	-	-	1	3	2	4	9	7	16	22	35	31	37	59
		M	110	-	-	1	1	1	-	-	1	2	2	4	5	4	11	13	18	7	17	23
		F	121	1	1	-	-	-	-	-	-	1	-	-	4	3	5	9	17	24	20	36
420-429	Other Forms of Heart Disease	T	2,687	20	4	1	6	6	3	5	7	12	16	19	50	96	136	194	280	381	427	1,024
		M	1,292	11	3	1	4	4	3	3	4	9	13	13	35	61	96	119	173	221	190	329
		F	1,395	9	1	-	2	2	-	2	3	3	3	6	15	35	40	75	107	160	237	695
401-403	Hypertensive Disease (Without Mention of Heart Disease)	T	159	-	-	-	-	-	-	-	-	1	-	-	1	9	5	14	27	28	23	51
		M	71	-	-	-	-	-	-	-	-	1	-	-	1	7	3	10	13	9	7	20
		F	88	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	14	19	16	31
430-438	Cerebrovascular Disease	T	2,843	2	3	1	-	3	1	5	5	8	14	17	31	46	104	175	237	409	543	1,239
		M	1,102	1	2	-	-	2	-	3	2	4	6	11	16	17	57	99	129	184	212	357
		F	1,741	1	1	1	-	1	1	2	3	4	8	6	15	29	47	76	108	225	331	882
431	Cerebral Hemorrhage	T	294	-	1	-	-	2	1	1	3	-	3	6	5	9	28	43	37	57	39	59
		M	133	-	1	-	-	1	-	1	-	-	2	2	3	3	14	24	25	23	15	19
		F	161	-	-	-	-	1	1	-	3	-	1	4	2	6	14	19	12	34	24	40
434	Occlusion of Cerebral Arteries	T	378	2	1	-	-	-	-	-	-	-	-	1	1	6	12	20	33	58	75	169
		M	156	1	-	-	-	-	-	-	-	-	-	-	1	3	8	15	18	31	35	44
		F	222	1	1	-	-	-	-	-	-	-	-	1	-	3	4	5	15	27	40	125
440-448	Diseases of the Arteries, Arterioles and Capillaries	T	944	-	-	-	-	1	1	-	1	-	2	1	12	20	40	70	88	140	152	416
		M	481	-	-	-	-	1	1	-	-	-	1	-	9	12	30	56	59	82	75	155
		F	463	-	-	-	-	-	-	-	1	-	1	1	3	8	10	14	29	58	77	261
440	Arteriosclerosis	T	509	-	-	-	-	-	-	-	-	-	-	1	5	3	9	14	30	48	80	319
		M	210	-	-	-	-	-	-	-	-	-	-	-	4	2	6	8	20	24	36	110
		F	299	-	-	-	-	-	-	-	-	-	-	1	1	1	3	6	10	24	44	209
451-459	Diseases of Veins and Lymphatics and Other Diseases of Circulatory System	T	65	1	-	-	-	1	-	2	1	-	-	1	-	2	4	5	13	14	9	12
		M	34	-	-	-	-	1	-	1	-	-	-	-	-	2	3	5	9	6	3	4
		F	31	1	-	-	-	-	-	1	1	-	-	1	-	-	1	-	4	8	6	8

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
451	Phlebitis and Thrombophlebitis	T	23	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	4	9	2	5
		M	11	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	3	3	1	1
		F	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6	1	4
460-519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	T	2,660	16	11	4	4	4	7	2	6	12	4	18	30	79	122	220	338	420	447	916
		M	1,502	14	7	-	1	3	5	1	4	7	2	8	17	55	76	137	211	280	259	415
		F	1,158	2	4	4	3	1	2	1	2	5	2	10	13	24	46	83	127	140	188	501
466	Acute Bronchitis and Bronchiolitis	T	3	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
		M	2	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
480-487	Pneumonia and Influenza	T	1,224	8	4	1	1	-	3	2	3	6	2	7	9	23	24	53	81	154	231	612
		M	599	6	1	-	-	-	2	1	2	3	1	2	8	15	15	43	53	89	123	235
		F	625	2	3	1	1	-	1	1	1	3	1	5	1	8	9	10	28	65	108	377
480-486	Pneumonia	T	1,200	8	3	1	1	-	2	2	3	6	2	6	9	23	24	53	80	151	227	599
		M	590	6	-	-	-	-	1	1	2	3	1	2	8	15	15	43	53	87	121	232
		F	610	2	3	1	1	-	1	1	1	3	1	4	1	8	9	10	27	64	106	367
487	Influenza	T	24	-	1	-	-	-	1	-	-	-	-	1	-	-	-	-	1	3	4	13
		M	9	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	2	3
		F	15	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	2	10
490-491	Bronchitis, Chronic and Unspecified	T	45	1	1	-	-	-	1	-	-	-	-	-	-	2	3	7	6	5	5	14
		M	19	1	-	-	-	-	1	-	-	-	-	-	-	1	1	1	3	3	5	3
		F	26	1	-	-	-	-	-	-	-	-	-	-	-	1	2	6	3	2	-	11
492	Emphysema	T	192	-	-	-	-	-	-	-	-	-	-	1	2	15	14	31	51	31	28	19
		M	128	-	-	-	-	-	-	-	-	-	-	1	1	12	8	20	29	25	18	14
		F	64	-	-	-	-	-	-	-	-	-	-	-	1	3	6	11	22	6	10	5
493	Asthma	T	63	-	-	3	2	-	-	-	2	1	-	2	-	1	1	9	8	14	9	11
		M	29	-	-	-	1	-	-	-	1	1	-	1	-	1	1	4	4	8	2	5
		F	34	-	-	3	1	-	-	-	1	-	-	1	-	-	-	5	4	6	7	6
Residual	(460-465, 467-479, 494-519)	T	1,133	7	6	-	1	4	3	-	-	5	2	8	19	38	79	120	192	216	174	259
		M	725	7	6	-	-	3	2	-	-	3	1	4	8	26	50	69	122	155	111	158
		F	408	-	-	-	1	1	1	-	-	2	1	4	11	12	29	51	70	61	63	101
520-579	IX. DISEASES OF THE DIGESTIVE SYSTEM	T	1,190	7	3	1	-	6	3	6	13	22	34	41	49	69	102	128	116	141	152	297
		M	613	4	3	1	-	4	1	5	6	13	24	23	30	37	68	82	68	65	79	100
		F	577	3	-	-	-	2	2	1	7	9	10	18	19	32	34	46	48	76	73	197
531-533	Ulcer of the Stomach and Duodenum	T	122	-	-	-	-	-	-	1	1	-	2	1	1	2	5	11	10	17	25	46
		M	60	-	-	-	-	-	-	1	1	-	2	1	-	-	3	7	7	9	11	18
		F	62	-	-	-	-	-	-	-	-	-	-	-	1	2	2	4	3	8	14	28
540-543	Appendicitis	T	11	-	-	-	-	-	-	-	2	-	-	-	-	-	1	2	-	4	1	1
		M	6	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	3	-	-
		F	5	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	1	1
550-553, 560	Hernia and Other Obstruction	T	107	2	-	-	-	1	-	1	-	1	-	-	2	2	4	10	6	14	14	50
		M	50	2	-	-	-	1	-	1	-	-	-	-	2	1	3	6	4	8	9	13
		F	57	-	-	-	-	-	-	-	-	1	-	-	-	1	1	4	2	6	5	37
571	Chronic Liver Disease and Cirrhosis	T	376	-	-	-	-	1	-	3	5	15	27	28	37	50	49	57	48	27	21	8
		M	229	-	-	-	-	-	-	2	1	10	19	16	23	26	34	38	30	14	12	4
		F	147	-	-	-	-	1	-	1	4	5	8	12	14	24	15	19	18	13	9	4
574-576	Cholelithiasis and Other Disorders of Gallbladder and Biliary Tract	T	78	-	-	-	-	-	1	-	1	1	1	2	-	1	4	4	5	16	11	31
		M	32	-	-	-	-	-	-	-	-	1	1	1	-	1	2	1	2	6	3	14
		F	46	-	-	-	-	-	1	-	1	-	-	1	-	-	2	3	3	10	8	17
Residual	(520-530, 534-539, 544-549, 554-559, 561-570, 572-573, 577-579)	T	496	5	3	1	-	4	2	1	4	5	4	10	9	14	39	44	47	63	80	161
		M	236	2	3	1	-	3	1	1	3	2	2	5	5	9	26	28	25	25	44	51
		F	260	3	-	-	-	1	1	-	1	3	2	5	4	5	13	16	22	38	36	110

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
580-629 X.	DISEASES OF THE GENITOURINARY SYSTEM	T	480	2	-	-	-	-	2	1	2	2	3	-	4	7	20	23	39	63	95	217
		M	230	2	-	-	-	-	1	1	-	1	1	-	2	3	10	13	22	37	43	94
		F	250	-	-	-	-	-	1	-	2	1	2	-	2	4	10	10	17	26	52	123
580-589	Nephritis, Nephrotic Syndrome and Nephrosis	T	285	2	-	-	-	-	1	1	1	2	2	-	2	5	15	17	25	43	53	116
		M	141	2	-	-	-	-	-	1	-	1	1	-	1	2	9	8	15	27	24	50
		F	144	-	-	-	-	-	1	-	1	1	1	-	1	3	6	9	10	16	29	66
590	Infections of the Kidney	T	32	-	-	-	-	-	1	-	-	-	-	-	1	1	2	1	2	2	6	16
		M	11	-	-	-	-	-	1	-	-	-	-	-	1	1	-	1	1	-	1	5
		F	21	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	2	5	11
600	Hyperplasia of the Prostate	T	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	5	4
		M	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	5	4
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(591-599, 601-629)	T	150	-	-	-	-	-	-	-	1	-	1	-	1	1	3	4	12	15	31	81
		M	65	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	6	7	13	35
		F	85	-	-	-	-	-	-	-	1	-	1	-	1	1	2	1	6	8	18	46
630-676 XI.	COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	T	5	-	-	-	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	5	-	-	-	-	-	-	2	1	2	-	-	-	-	-	-	-	-	-	-
630-639	Pregnancy with Abortive Outcome	T	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
640-648	Complications of Pregnancy	T	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Residual	(649-676)	T	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
680-709 XII.	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	T	23	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	3	2	5	8
		M	11	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	2	1	5
		F	12	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	3	-	4	3
710-739 XIII.	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	T	135	-	1	-	-	-	-	-	3	4	2	3	3	8	14	11	19	20	11	36
		M	37	-	-	-	-	-	-	-	-	2	-	1	2	1	4	3	5	10	3	6
		F	98	-	1	-	-	-	-	-	3	2	2	2	1	7	10	8	14	10	8	30
740-759 XIV.	CONGENITAL ANOMALIES	T	215	140	16	3	2	4	3	2	1	2	3	5	3	8	3	8	5	3	2	2
		M	112	70	9	3	1	3	3	1	-	2	2	2	1	5	1	5	2	-	2	-
		F	103	70	7	-	1	1	-	1	1	-	1	3	2	3	2	3	3	3	-	2
760-779 XV.	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	T	244	240	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	138	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	106	102	2	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
780-799 XVI.	SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS	T	778	110	2	1	1	1	3	5	5	4	2	4	12	20	45	74	81	94	88	226
		M	425	62	1	-	1	-	2	4	4	3	2	4	8	13	34	53	54	53	43	84
		F	353	48	1	1	-	1	1	1	1	1	-	-	4	7	11	21	27	41	45	142
E800-E999 XVII.	INJURY AND POISONING	T	2,079 *	19	31	32	33	189	265	199	158	111	82	65	82	89	88	97	109	97	99	232
		M	1,459 *	8	22	21	27	140	213	145	116	89	63	49	64	68	60	73	76	63	55	105
		F	620	11	9	11	6	49	52	54	42	22	19	16	18	21	28	24	33	34	44	127
E800-E949	Unintentional Injury—Total	T	1,518	13	25	30	29	153	184	117	88	62	47	38	57	62	65	70	87	79	92	220
		M	1,033	5	17	19	24	112	150	82	68	53	36	33	45	48	43	51	57	46	49	95
		F	485	8	8	11	5	41	34	35	20	9	11	5	12	14	22	19	30	33	43	125

Table 38
DEATHS FROM SELECTED CAUSES BY AGE GROUP AND SEX
MINNESOTA RESIDENTS, 1984 (CONT.)

9th Revision No.	Cause of Death and Sex		Total	Under 1 Year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 and Over
	ALL CAUSES, Total	T	33,746 *	590	99	65	62	250	333	293	284	335	400	559	882	1,502	2,280	3,192	4,082	4,683	4,816	9,037
		M	17,747 *	335	57	38	42	184	254	201	187	222	252	334	540	966	1,453	1,980	2,438	2,593	2,339	3,330
		F	15,999	255	42	27	20	66	79	92	97	113	148	225	342	536	827	1,212	1,644	2,090	2,477	5,707
E810-E825	Motor Vehicle	T	663	3	8	20	18	114	123	78	47	37	22	21	22	18	26	23	23	21	18	21
		M	472	1	5	10	15	79	99	56	36	31	16	19	17	10	17	15	15	9	10	12
		F	191	2	3	10	3	35	24	22	11	6	6	2	5	8	9	8	8	12	8	9
Residual	Other Unintentional Injury (800-809, 826-949)	T	855	10	17	10	11	39	61	39	41	25	25	17	35	44	39	47	64	58	74	199
		M	561	4	12	9	9	33	51	26	32	22	20	14	28	38	26	36	42	37	39	83
		F	294	6	5	1	2	6	10	13	9	3	5	3	7	6	13	11	22	21	35	116
E950-E959	Suicide and Self-Inflicted Injury	T	441	-	-	-	2	27	66	61	53	38	28	22	20	25	21	24	21	18	7	8
		M	340	-	-	-	2	22	51	48	34	28	21	13	15	20	17	20	18	17	6	8
		F	101	-	-	-	-	5	15	13	19	10	7	9	5	5	4	4	3	1	1	-
E960-E969	Homicide and Injury Purposely Inflicted by Other Persons	T	83	6	6	2	1	4	8	18	10	8	4	4	4	-	2	3	1	-	-	2
		M	58	3	5	2	1	2	5	13	8	5	4	3	3	-	-	2	1	-	-	1
		F	25	3	1	-	-	2	3	5	2	3	-	1	1	-	2	1	-	-	-	1
E970-E978	Legal Intervention	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E980-E989	Injury Undetermined Whether Unintentionally or Purposely Inflicted	T	36 *	-	-	-	1	5	7	3	7	3	3	1	1	2	-	-	-	-	-	1
		M	27 *	-	-	-	-	4	7	2	6	3	2	-	1	-	-	-	-	-	-	-
		F	9	-	-	-	1	1	-	1	1	-	1	1	-	2	-	-	-	-	-	1
E990-E999	Injury Resulting from Operations of War	T	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Includes Age Unknown

Table 39
DEATHS DUE TO SELECTED CAUSES BY RACE
MINNESOTA RESIDENTS, 1984

	Total	White	Black	Indian	Other	Unknown
All Causes - Total	33,746	33,114	321	207	88	16
Infective-parasitic	274	266	4	3	1	-
Tuberculosis	7	6	-	1	-	-
Neoplasms - malignant	7,542	7,420	77	22	23	-
Digestive	2,054	2,018	22	4	10	-
Respiratory	1,694	1,654	25	10	5	-
Breast	666	653	11	1	1	-
Genital	890	879	6	3	2	-
Urinary	334	333	-	-	1	-
Leukemia	341	337	3	-	1	-
Diabetes mellitus	559	534	10	13	2	-
Major cardiovascular	16,080	15,887	95	60	27	11
Rheumatic	129	127	1	-	1	-
Hypertensive heart	220	214	3	2	-	1
Ischemic heart	8,865	8,766	43	34	16	6
Other heart	2,687	2,649	24	8	6	-
Hypertension	159	158	1	-	-	-
Cerebrovascular	2,843	2,812	16	9	3	3
Arteriosclerosis	509	503	2	3	1	-
Respiratory	2,660	2,618	17	19	5	1
Pneumonia	1,200	1,183	7	7	2	1
Influenza	24	24	-	-	-	-
Bronchitis	45	45	-	-	-	-
Emphysema	192	189	1	2	-	-
Asthma	63	63	-	-	-	-
Ulcer of stomach & duodenum	122	121	1	-	-	-
Hernia & intestinal obstruction	107	107	-	-	-	-
Chronic liver disease & cirrhosis	376	364	6	5	1	-
Nephritis, nephrotic syndrome & nephrosis	285	280	2	3	-	-
Kidney infections	32	30	1	1	-	-
Pregnancy, childbirth & puerperium	5	4	1	-	-	-
Congenital anomalies	215	208	3	1	3	-
Certain conditions originating in the perinatal period	244	225	13	2	4	-
Ill-defined	778	754	13	9	2	-
Other diseases	2,388	2,338	26	17	5	2
Unintentional Injury	1,518	1,449	19	37	11	2
Motor vehicle	663	629	7	20	7	-
Falls	282	277	2	2	1	-
Suicide	441	423	8	7	3	-
Homicide	83	52	25	5	1	-
Other violent deaths	37	34	-	3	-	-

Table 40
FIFTEEN LEADING CAUSES OF DEATH, DEATH RATES PER 100,000 POPULATION AND PERCENT OF TOTAL DEATHS, MINNESOTA RESIDENTS, 1984

Cause of Death	Number of Deaths	Death Rates	Percent of Total
Heart Disease (390-398, 402, 404-429)	12,134	291.6	36.0
Cancer (Malignant neoplasms) (140-208)	7,542	181.2	22.3
Cerebrovascular Disease (430-438)	2,843	68.3	8.4
Unintentional Injury (800-949)	1,518	36.5	4.5
Motor vehicle (810-825)	(663)	(15.9)	(2.0)
Falls (880-888)	(282)	(6.8)	(0.8)
Pneumonia and Influenza (480-487)	1,224	29.4	3.6
Pneumonia (480-486)	(1,200)	(28.8)	(3.6)
Influenza (487)	(24)	(0.6)	(0.1)
Diabetes mellitus (250)	559	13.4	1.7
Arteriosclerosis (440)	509	12.2	1.5
Suicide (950-959)	441	10.6	1.3
Chronic Liver Disease and Cirrhosis (571)	376	9.0	1.1
Chronic Bronchitis, Emphysema and Asthma (490-493)	300	7.2	0.9
Nephritis, Nephrotic syndrome, and Nephrosis (580-589)	285	6.8	0.8
Certain Conditions Originating in the Perinatal Period (760-779)	244	5.9	0.7
Congenital anomalies (740-759)	215	5.2	0.6
Hypertensive Disease Without Mention of Heart Disease (401, 403)	159	3.8	0.5
Septicemia (038)	154	3.7	0.5
All other causes	5,243	126.0	15.5
Total - all causes	33,746	810.9	100.0

Table 41
LEADING CAUSES OF DEATH BY SELECTED AGE GROUPS
MINNESOTA RESIDENTS, 1984

	No. of Deaths	Per-cent	Age/Cause Specific Death Rate Per 100,000 Population
1-4 Years			
Total, all causes	99	100.0	37.4
Unintentional injury	25	25.3	9.4
Motor vehicle	(8)	(8.1)	(3.0)
Congenital anomalies	16	16.2	6.0
Malignant neoplasms	13	13.1	4.9
Diseases of the respiratory system	11	11.1	4.2
Diseases of the nervous system and sense organs	6	6.1	2.3
Homicide	6	6.1	2.3
5-9 Years			
Total, all causes	65	100.0	22.3
Unintentional injury	30	46.2	10.3
Motor vehicle	(20)	(30.8)	(6.8)
Malignant neoplasms	8	12.3	2.7
Diseases of the nervous system and sense organs	5	7.7	1.7
Diseases of the respiratory system	4	6.2	1.4
Congenital anomalies	3	4.6	1.0
Endocrine, nutritional and metabolic disease	3	4.6	1.0
10-14 Years			
Total, all causes	62	100.0	20.5
Unintentional injury	29	46.8	9.6
Motor vehicle	(18)	(29.0)	(6.0)
Malignant neoplasms	7	11.3	2.3
Diseases of the heart	7	11.3	2.3
Diseases of the nervous system and sense organs	5	8.1	1.7
Diseases of the respiratory system	4	6.5	1.3
15-19 Years			
Total, all causes	250	100.0	74.6
Unintentional injury	153	61.2	45.6
Motor vehicle	(114)	(45.6)	(34.0)
Suicide	27	10.8	8.1
Malignant neoplasms	22	8.8	6.6
Diseases of the heart	7	2.8	2.1
Diseases of the nervous system and sense organs	5	2.0	1.5
Injury undetermined whether unintentionally or purposely inflicted	5	2.0	1.5

	No. of Deaths	Per-cent	Age/Cause Specific Death Rate Per 100,000 Population
20-34 Years			
Total, all causes	910	100.0	80.8
Unintentional injury	391	43.0	34.7
Motor vehicle	(248)	(27.3)	(22.0)
Suicide	180	19.8	16.0
Malignant neoplasms	99	10.9	8.8
Diseases of the heart	42	4.6	3.7
Homicide	36	4.0	3.2
35-49 Years			
Total, all causes	1,294	100.0	180.4
Malignant neoplasms	431	33.3	60.1
Diseases of the heart	287	22.2	40.0
Unintentional injury	147	11.4	20.5
Motor vehicle	(80)	(6.2)	(11.2)
Suicide	88	6.8	12.3
Chronic liver disease and cirrhosis	70	5.4	9.8
Cerebrovascular disease	39	3.0	5.4
50-64 Years			
Total, all causes	4,664	100.0	863.3
Malignant neoplasms	1,704	36.5	315.4
Diseases of the heart	1,567	33.6	290.1
Unintentional injury	184	3.9	34.1
Motor vehicle	(66)	(1.4)	(12.2)
Cerebrovascular disease	181	3.9	33.5
Chronic liver disease and cirrhosis	136	2.9	25.2
Diabetes mellitus	91	2.0	16.8
65-74 Years			
Total, all causes	7,274	100.0	2,508.4
Diseases of the heart	2,711	37.3	934.9
Malignant neoplasms	2,204	30.3	760.1
Unintentional injury	157	2.2	54.1
Motor vehicle	(46)	(0.6)	(15.9)
Symptoms, signs and ill-defined conditions	155	2.1	53.5
Pneumonia and influenza	134	1.8	46.2
Diseases of the nervous system and sense organs	131	1.8	45.2
75 Years and Over			
Total, all causes	18,536	100.0	8,165.1
Diseases of the heart	7,484	40.4	3,296.7
Malignant neoplasms	3,051	16.5	1,344.0
Cerebrovascular disease	2,191	11.8	965.1
Pneumonia and influenza	997	5.4	439.2
Arteriosclerosis	447	2.4	196.9
Symptoms, signs and ill-defined conditions	408	2.2	179.7

Table 42
ACCIDENT FATALITIES OCCURRING IN MINNESOTA* BY ACCIDENT CATEGORY** AND AGE GROUP***
1983 - 1984

		1984								
			AGE GROUP							
TYPE OF ACCIDENT	1983 TOTAL	TOTAL	5	5-14	15-24	25-44	45-64	65+	Unknown Age
TOTAL ACCIDENTAL DEATHS	1,461	1,468	40	60	316	299	219	534	-
OCCUPATIONAL DEATHS	56	72	-	1	13	27	24	7	-
Agriculture	27	34	-	1	6	6	15	6	-
Mining, quarrying, oil and gas wells	2	2	-	-	-	1	-	1	-
Construction	10	15	-	-	4	10	1	-	-
Manufacturing, logging and lumber	11	4	-	-	1	2	1	-	-
Transportation and public utilities	3	8	-	-	-	4	4	-	-
Trade	-	-	-	-	-	-	-	-	-
Service	1	3	-	-	1	-	2	-	-
Government	1	3	-	-	-	2	1	-	-
Other and unspecified industry	1	3	-	-	1	2	-	-	-
HOME DEATHS	330	296	23	11	34	42	45	141	-
Poisonings (except gas)	29	18	-	-	3	6	5	4	-
Poisonings by gases and vapors	26	21	-	-	2	7	7	5	-
Falls	128	106	-	-	2	5	10	89	-
Fires	68	56	8	1	12	10	8	17	-
Drowning	9	15	4	-	5	2	4	-	-
Suffocation, ingested food or object	10	10	-	-	-	-	2	8	-
Suffocation, mechanical	10	10	3	4	1	2	-	-	-
Firearms	6	7	-	2	2	2	-	1	-
Other and unspecified home accidents	44	53	8	4	7	8	9	17	-
MOTOR VEHICLE DEATHS	596	613	12	38	220	168	79	96	-
Injury to pedestrian	74	61	2	11	13	7	10	18	-
Injury to pedal cyclist	12	17	-	7	4	3	1	2	-
Injury to rider of animal or occupant of animal-drawn vehicle	-	-	-	-	-	-	-	-	-
Collision with railroad train	14	13	1	-	8	2	1	1	-
Collision with other motor vehicle	252	267	8	12	85	83	35	44	-
Collision with fixed object	15	39	-	-	13	15	7	4	-
Noncollision	154	136	1	1	71	40	15	8	-
Other and unspecified accidents	75	80	-	7	26	18	10	19	-
PUBLIC NON-MOTOR VEHICLE	465	465	5	10	45	59	70	276	-
Railroad (not with motor vehicle)	4	5	-	-	4	1	-	-	-
Other road vehicle (not with motor vehicle)	2	3	-	-	3	-	-	-	-
Water transportation	23	17	-	1	3	7	4	2	-
Air transportation	10	11	-	1	2	3	5	-	-
Falls	173	143	-	-	2	5	15	121	-
Fires	2	5	-	-	1	1	-	3	-
Drowning	50	49	1	3	17	14	11	3	-
Firearms	5	5	-	-	1	1	2	1	-
Other and unspecified public accidents	196	227	4	5	12	27	33	146	-
ACCIDENT TYPE UNKNOWN	14	22	-	-	4	3	1	14	-

---

* Includes only those deaths for which the accident occurred in Minnesota.

** National Safety Council categories.

*** Age group applicable to 1984 only.

Table 43
DEATHS OCCURRING IN MINNESOTA BY CAUSE AND AUTOPSY STATUS
1984

	Cause of Death	Total Deaths	Autopsy Status Number Performed	Number Not Performed	Number Not Stated	Percent Performed	Percent Not Performed	Percent Not Stated
	All Causes - Total	34,003	5,102	24,511	4,390	15.0	72.1	12.9
I.	Infectious and parasitic diseases	286	79	169	38	27.6	59.1	13.3
II.	Neoplasms	7,752	730	5,905	1,117	9.4	76.2	14.4
III.	Endocrine, nutritional, and metabolic diseases and immunity disorders	771	93	558	120	12.1	72.4	15.6
IV.	Diseases of the blood and blood-forming organs	134	29	90	15	21.6	67.2	11.2
V.	Mental disorders	417	48	306	63	11.5	73.4	15.1
VI.	Diseases of the nervous system and sense organs	572	94	397	81	16.4	69.4	14.2
VII.	Diseases of the circulatory system	16,180	2,055	11,938	2,187	12.7	73.8	13.5
VIII.	Diseases of the respiratory system	2,667	318	1,990	359	11.9	74.6	13.5
IX.	Diseases of the digestive system	1,215	333	770	112	27.4	63.4	9.2
X.	Diseases of the genitourinary system	468	52	351	65	11.1	75.0	13.9
XI.	Complications of pregnancy, childbirth, and the puerperium	5	5	-	-	100.0	0.0	0.0
XII.	Diseases of the skin and subcutaneous tissue	24	5	16	3	20.8	66.7	12.5
XIII.	Diseases of the musculoskeletal system and connective tissue	140	21	104	15	15.0	74.3	10.7
XIV.	Congenital anomalies	267	169	84	14	63.3	31.5	5.2
XV.	Certain conditions originating in the perinatal period	269	104	143	22	38.7	53.2	8.2
XVI.	Symptoms, signs and ill-defined conditions	776	135	575	66	17.4	74.1	8.5
XVII.	Injury and poisoning	2,060	832	1,115	113	40.4	54.1	5.5

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*
MINNESOTA, 1984

		State	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
DEATHS - Total		33,746	189	827	290	265	235	102	391
Rate:	Age & sex adjusted	8.1	9.8	8.3	8.0	8.8	9.8	8.2	7.7
Rate:	Sex adjusted-age specific								
	Under 5 years	2.1	0.0	2.5	2.0	1.6	1.8	1.6	2.7
	5-14 years	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.3
	15-24 years	0.8	2.3	0.6	1.7	1.7	1.7	1.5	0.6
	25-44 years	1.0	3.9	0.8	1.0	1.6	0.9	1.7	0.8
	45-64 years	7.1	13.0	6.3	7.5	8.3	8.1	6.6	7.7
	65 years and over	49.9	47.6	53.3	47.8	51.2	61.5	49.6	45.9
Sex:	Male	17,747	119	462	173	150	116	54	219
	Female	15,999	70	365	117	115	119	48	172
Race:	White	33,114	186	824	274	224	235	101	391
	Black	321	-	2	-	-	-	-	-
	Indian	207	3	-	16	41	-	-	-
	Other & Unknown	104	-	1	-	-	-	1	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	274	1	7	1	2	1	-	1
010-018	Tuberculosis	7	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	7,542	42	221	64	51	50	16	88
150-159	Digestive	2,054	12	64	17	11	12	4	24
160-165	Respiratory	1,694	7	65	17	9	13	3	22
174-175	Breast	666	4	20	5	4	1	2	9
179-187	Genital	890	8	26	8	13	6	2	10
188-189	Urinary	334	-	4	1	3	2	1	4
204-208	Leukemia	341	-	6	4	1	3	2	5
250	Diabetes mellitus	559	7	8	1	8	6	2	11
390-448	Major cardiovascular	16,080	81	345	151	126	117	56	193
390-398	Rheumatic heart	129	-	1	-	1	1	-	-
402,404	Hypertensive heart	220	1	3	-	-	2	-	3
410-414	Ischemic heart	8,865	57	218	97	76	73	28	133
420-429	Other heart	2,687	11	52	13	20	18	6	13
400-401, & 403	Hypertension	159	-	4	2	-	1	2	2
430-438	Cerebrovascular	2,843	8	29	29	15	18	14	32
440	Arteriosclerosis	509	3	16	5	6	1	2	5
460-519	Respiratory	2,660	11	64	24	24	18	10	19
480-486	Pneumonia	1,200	3	25	10	12	1	6	8
487	Influenza	24	-	-	-	1	-	-	1
490-491	Bronchitis	45	1	1	-	-	1	-	-
492	Emphysema	192	1	1	2	3	2	-	3
493	Asthma	63	2	-	1	-	-	-	1
531-533	Ulcer of stomach and duodenum	122	2	3	2	-	1	-	2
550-553, & 560	Hernia & intestinal obstruction	107	-	1	-	2	1	-	2
571	Chronic liver disease and cirrhosis	376	1	11	2	3	2	-	7
580-589	Nephritis, nephrotic syndrome & nephrosis	285	2	7	6	2	1	1	1
590	Kidney infection	32	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	5	-	-	-	-	-	-	-
740-759	Congenital anomalies	215	1	12	2	2	3	-	6
760-779	Perinatal conditions	244	-	19	-	-	-	1	4
780-799	Ill-defined	778	1	11	-	2	4	-	3
Residual	Other diseases	2,388	18	43	16	20	17	7	31
E800-949	Unintentional injury	1,518	18	51	19	15	12	8	18
E810-825	Motor vehicle	663	6	28	12	9	6	3	4
E880-888	Falls	282	3	4	-	2	2	1	2
E950-959	Suicide & self-inflicted injury	441	4	21	2	7	2	-	5
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	83	-	1	-	1	-	1	-
E980-999	Other violent deaths	37	-	2	-	-	-	-	-

Table 44

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA 1984 (CONT.)

		Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clear-water
DEATHS - Total		263	287	225	289	167	226	359	116
Rate:	Age & sex adjusted	7.2	8.9	7.3	9.4	7.8	8.4	8.2	9.4
Rate:	Sex adjusted-age specific								
	Under 5 years	2.6	1.9	2.7	3.0	0.9	2.9	1.7	4.2
	5-14 years	0.0	0.0	0.0	0.4	0.0	0.0	0.3	0.0
	15-24 years	0.4	1.0	0.4	2.0	0.4	0.2	0.5	3.0
	25-44 years	0.6	1.5	1.1	2.3	0.5	1.2	0.8	0.5
	45-64 years	6.6	9.2	4.7	7.3	8.9	8.8	7.6	6.6
	65 years and over	45.1	52.2	46.7	54.5	47.6	50.2	51.0	58.3
Sex:	Male	137	160	126	162	93	118	198	62
	Female	126	127	99	127	74	108	161	54
Race:	White	263	278	225	263	165	225	357	111
	Black	-	-	-	-	-	-	1	-
	Indian	-	8	-	25	1	-	-	5
	Other & Unknown	-	1	-	1	1	1	1	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	4	2	2	4	2	1	2	1
010-018	Tuberculosis	1	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	54	55	43	50	31	54	93	15
150-159	Digestive	23	18	14	14	8	10	28	5
160-165	Respiratory	4	16	3	12	5	14	18	3
174-175	Breast	6	4	4	7	3	5	4	1
179-187	Genital	5	8	2	4	6	8	15	-
188-189	Urinary	2	2	3	2	1	4	3	1
204-208	Leukemia	5	-	-	3	2	4	7	1
250	Diabetes mellitus	4	5	-	2	5	3	11	7
390-448	Major cardiovascular	136	143	110	136	93	113	182	55
390-398	Rheumatic heart	-	1	1	1	-	1	2	-
402,404	Hypertensive heart	1	4	1	-	-	1	-	1
410-414	Ischemic heart	73	74	63	63	49	53	83	39
420-429	Other heart	26	18	12	35	19	24	37	4
400-401, & 403	Hypertension	-	2	-	2	1	-	-	1
430-438	Cerebrovascular	26	23	23	27	16	29	41	9
440	Arteriosclerosis	4	15	6	2	4	1	7	-
460-519	Respiratory	20	35	19	32	7	20	28	7
480-486	Pneumonia	7	18	9	13	3	15	9	1
487	Influenza	1	-	-	-	-	-	-	-
490-491	Bronchitis	1	1	-	1	-	-	1	-
492	Emphysema	-	3	1	2	-	-	1	2
493	Asthma	-	1	1	-	2	-	-	-
531-533	Ulcer of stomach and duodenum	2	-	-	-	-	-	-	-
550-553, & 560	Hernia & intestinal obstruction	2	1	1	-	1	-	1	-
571	Chronic liver disease and cirrhosis	-	3	4	2	1	1	2	1
580-589	Nephritis, nephrotic syndrome & nephrosis	3	1	4	6	3	1	1	5
590	Kidney infection	1	1	1	-	-	1	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	2	-	1	1	5	1
760-779	Perinatal conditions	1	1	4	-	-	5	1	-
780-799	Ill-defined	5	3	3	10	-	3	5	1
Residual	Other diseases	16	18	20	21	16	11	14	9
E800-949	Unintentional injury	11	16	8	22	6	9	12	9
E810-825	Motor vehicle	4	8	5	12	1	5	6	4
E880-888	Falls	1	3	1	2	1	2	2	-
E950-959	Suicide & self-inflicted injury	3	3	4	1	1	3	2	3
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	1	-	-	-	1
E980-999	Other violent deaths	-	-	-	2	-	-	-	1

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Cook	Cotton-wood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fill-more
DEATHS - Total		43	157	416	993	106	280	261	270
Rate:	Age & sex adjusted	8.0	7.5	8.0	8.3	6.6	7.6	9.1	8.6
Rate:	Sex adjusted-age specific								
	Under 5 years	7.4	2.1	2.7	1.9	1.4	2.2	1.4	1.2
	5-14 years	0.0	1.0	0.8	0.2	0.4	0.0	0.4	0.7
	15-24 years	0.0	1.4	1.1	0.5	0.0	0.0	1.0	0.5
	25-44 years	0.0	0.6	1.9	0.9	1.2	0.9	1.1	1.5
	45-64 years	4.9	9.1	9.0	5.2	3.2	6.3	6.1	7.9
	65 years and over	52.5	41.7	42.8	55.4	44.1	48.8	58.9	51.6
Sex:	Male	29	79	233	524	56	153	133	149
	Female	14	78	183	469	50	127	128	121
Race:	White	43	156	413	980	105	280	261	270
	Black	-	-	-	6	-	-	-	-
	Indian	-	1	1	-	-	-	-	-
	Other & Unknown	-	-	2	7	1	-	-	-
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	2	-	5	4	-	2	3	1
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	10	37	94	246	25	59	47	59
150-159	Digestive	2	9	24	62	11	20	14	17
160-165	Respiratory	2	9	26	49	2	11	14	11
174-175	Breast	2	3	5	34	1	2	4	3
179-187	Genital	1	5	10	30	-	9	3	8
188-189	Urinary	1	-	3	5	4	3	1	2
204-208	Leukemia	1	2	2	11	2	2	1	3
250	Diabetes mellitus	-	3	11	19	1	2	5	2
390-448	Major cardiovascular	16	76	184	447	52	143	145	142
390-398	Rheumatic heart	-	-	2	10	-	-	-	1
402,404	Hypertensive heart	-	2	1	6	-	1	2	1
410-414	Ischemic heart	9	37	91	271	24	70	92	84
420-429	Other heart	3	17	41	56	19	24	23	19
400-401, & 403	Hypertension	-	-	1	12	-	2	-	-
430-438	Cerebrovascular	2	14	38	63	6	35	26	23
440	Arteriosclerosis	-	3	4	14	1	3	-	6
460-519	Respiratory	6	13	34	69	9	32	23	31
480-486	Pneumonia	4	9	19	24	3	17	15	18
487	Influenza	-	-	1	-	-	-	1	-
490-491	Bronchitis	-	1	-	2	-	-	-	-
492	Emphysema	1	-	-	15	2	-	1	1
493	Asthma	-	-	-	3	-	1	-	-
531-533	Ulcer of stomach and duodenum	-	1	1	5	1	2	2	1
550-553, & 560	Hernia & intestinal obstruction	-	1	2	1	1	-	1	-
571	Chronic liver disease and cirrhosis	-	3	6	15	1	-	2	3
580-589	Nephritis, nephrotic syndrome & nephrosis	-	2	4	8	-	-	-	2
590	Kidney infection	-	-	-	2	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	1	-	-	-	-
740-759	Congenital anomalies	-	1	2	9	-	1	2	-
760-779	Perinatal conditions	-	1	2	8	-	1	2	1
780-799	Ill-defined	2	2	6	24	5	4	3	1
Residual	Other diseases	5	7	39	72	4	21	16	11
E800-949	Unintentional injury	2	8	21	45	6	10	9	14
E810-825	Motor vehicle	-	-	16	16	5	6	6	5
E880-888	Falls	-	3	1	8	-	2	1	3
E950-959	Suicide & self-inflicted injury	-	2	5	16	1	3	1	2
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	2	-	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	-	-	-

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Freeborn	Goodhue	Grant	Hennepin	Minneapolis	Houston	Hubbard
DEATHS - Total		395	448	100	7,600	3,925	162	134
Rate:	Age & sex adjusted	8.8	9.0	8.4	8.5	9.0	7.2	6.9
Rate:	Sex adjusted-age specific							
	Under 5 years	0.8	4.2	1.9	2.2	2.3	2.0	2.8
	5-14 years	0.2	0.2	1.1	0.3	0.3	0.7	0.0
	15-24 years	1.0	0.9	1.8	0.9	1.1	1.8	0.4
	25-44 years	1.3	1.1	2.5	1.1	1.4	1.2	0.3
	45-64 years	8.7	7.9	2.8	7.3	10.6	4.2	8.0
	65 years and over	53.0	54.9	52.4	52.3	50.7	44.1	41.3
Sex:	Male	196	202	53	3,734	1,859	83	83
	Female	199	246	47	3,866	2,066	79	51
Race:	White	395	447	99	7,320	3,680	161	134
	Black	-	-	-	198	184	1	-
	Indian	-	1	1	50	48	-	-
	Other & Unknown	-	-	-	32	13	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parastic	2	3	1	73	45	2	-
010-018	Tuberculosis	-	1	-	1	1	-	-
140-208	Neoplasms-malignant	92	89	23	1,760	839	26	26
150-159	Digestive	18	25	9	432	217	7	12
160-165	Respiratory	20	21	-	447	216	4	5
174-175	Breast	9	8	4	164	62	-	2
179-187	Genital	12	7	3	193	100	4	2
188-189	Urinary	5	8	1	84	41	-	-
204-208	Leukemia	7	4	1	70	27	2	3
250	Diabetes mellitus	5	11	1	129	58	1	1
390-448	Major cardiovascular	215	227	57	3,309	1,722	79	77
390-398	Rheumatic heart	-	2	-	38	24	1	-
402,404	Hypertensive heart	6	4	1	53	26	2	2
410-414	Ischemic heart	107	107	29	1,833	938	39	34
420-429	Other heart	42	35	9	517	293	15	12
400-401, & 403	Hypertension	4	2	-	46	26	-	1
430-438	Cerebrovascular	42	59	12	575	289	16	16
440	Arteriosclerosis	5	5	2	95	54	5	4
460-519	Respiratory	30	30	8	637	340	16	13
480-486	Pneumonia	12	19	5	284	146	10	6
487	Influenza	-	1	-	7	3	-	-
490-491	Bronchitis	-	-	-	15	6	-	-
492	Emphysema	5	2	-	48	22	-	1
493	Asthma	-	-	-	12	8	1	1
531-533	Ulcer of stomach and duodenum	1	-	-	29	19	1	-
550-553, & 560	Hernia & intestinal obstruction	-	2	-	28	10	-	-
571	Chronic liver disease and cirrhosis	5	3	-	105	59	1	1
580-589	Nephritis, nephrotic syndrome & nephrosis	2	3	2	64	37	-	1
590	Kidney infection	-	-	-	10	7	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	2	-	52	23	-	-
760-779	Perinatal conditions	-	6	-	56	21	1	2
780-799	Ill-defined	4	5	-	234	160	1	1
Residual	Other diseases	22	38	5	597	309	16	7
E800-949	Unintentional Injury	15	18	3	337	171	16	4
E810-825	Motor vehicle	11	7	2	110	51	8	3
E880-888	Falls	3	6	-	91	52	2	-
E950-959	Suicide & self-inflicted injury	-	5	-	134	69	2	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	1	4	-	37	30	-	-
E980-999	Other violent deaths	-	2	-	9	6	-	-

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Isanti	Itasca	Jackson	Kanabec	Kandiyohi	Kittson	Koochi-iching
DEATHS - Total		188	381	126	121	313	87	154
Rate:	Age & sex adjusted	8.2	8.2	6.9	8.4	7.3	8.2	8.4
Rate:	Sex adjusted-age specific							
	Under 5 years	3.9	2.8	2.1	1.8	2.5	0.0	0.0
	5-14 years	0.0	0.0	0.5	0.5	0.0	0.0	0.8
	15-24 years	0.8	0.5	0.4	1.8	0.7	1.9	0.7
	25-44 years	1.1	0.7	0.6	1.0	1.0	0.0	1.3
	45-64 years	6.8	7.4	5.5	10.1	6.1	5.4	7.9
	65 years and over	50.4	50.8	43.7	46.9	44.8	56.0	51.8
Sex:	Male	105	208	65	69	164	54	100
	Female	83	173	61	52	149	33	54
Race:	White	188	373	124	121	313	87	146
	Black	-	-	-	-	-	-	-
	Indian	-	7	-	-	-	-	4
	Other & Unknown	-	1	2	-	-	-	4
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	1	2	-	-	3	-	-
010-018	Tuberculosis	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	35	84	27	13	56	12	34
150-159	Digestive	8	29	8	4	15	3	10
160-165	Respiratory	10	18	7	2	9	1	7
74-175	Breast	1	11	2	1	2	2	3
179-187	Genital	5	9	2	2	11	3	3
188-189	Urinary	2	5	-	-	2	-	1
204-208	Leukemia	5	1	3	1	4	-	3
250	Diabetes mellitus	1	6	4	2	3	2	2
390-448	Major cardiovascular	100	192	63	74	151	52	79
390-398	Rheumatic heart	1	2	-	1	3	-	-
402,404	Hypertensive heart	-	1	1	-	-	-	1
410-414	Ischemic heart	41	103	43	30	96	25	49
420-429	Other heart	16	31	4	8	13	16	9
400-401, & 403	Hypertension	1	2	1	-	-	-	-
430-438	Cerebrovascular	37	35	7	29	29	9	17
440	Arteriosclerosis	1	6	3	4	6	1	1
460-519	Respiratory	11	24	9	8	33	7	15
480-486	Pneumonia	8	13	5	3	17	5	6
487	Influenza	-	-	-	-	-	-	1
490-491	Bronchitis	-	-	-	-	-	-	-
492	Emphysema	-	4	1	-	3	1	2
493	Asthma	1	-	-	1	-	-	1
531-533	Ulcer of stomach and duodenum	-	2	3	-	-	-	1
550-553, & 560	Hernia & intestinal obstruction	1	-	-	-	-	-	1
571	Chronic liver disease and cirrhosis	-	3	1	3	5	-	3
580-589	Nephritis, nephrotic syndrome & nephrosis	2	5	-	1	4	3	1
590	Kidney infection	-	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	1	-	-
740-759	Congenital anomalies	2	3	1	-	2	-	1
760-779	Perinatal conditions	4	7	-	1	4	-	-
780-799	Ill-defined	3	12	6	1	5	1	1
Residual	Other diseases	16	26	8	9	30	6	9
E800-949	Unintentional Injury	10	10	4	6	16	2	4
E810-825	Motor vehicle	7	5	1	4	8	-	2
E880-888	Falls	-	3	-	-	1	-	-
E950-959	Suicide & self-inflicted injury	1	5	-	2	-	2	2
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	1	-	-	1	-	-	1
E980-999	Other violent deaths	-	-	-	-	-	-	-

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Lac Qui Parle	Lake	Lake of the Woods	Le-Sueur	Lin-coln	Lyon	Mc-Leod	Mahnomen	Mar-shall
DEATHS - Total		125	108	58	202	80	226	271	54	119
Rate:	Age & sex adjusted	7.8	8.2	11.9	7.2	6.5	7.9	7.8	7.3	7.3
Rate:	Sex adjusted-age specific									
	Under 5 years	2.4	1.2	13.7	1.0	0.0	2.8	2.5	0.0	1.1
	5-14 years	0.7	0.0	1.9	0.6	0.0	0.0	0.4	0.0	0.0
	15-24 years	0.0	1.0	0.0	0.9	0.7	0.4	1.0	1.8	0.9
	25-44 years	1.7	0.3	4.3	0.8	1.7	1.2	0.5	0.0	0.0
	45-64 years	7.3	8.1	13.7	6.5	5.8	7.0	6.5	7.7	7.1
	65 years and over	46.3	51.4	55.3	44.2	38.8	48.6	48.5	45.1	46.7
Sex:	Male	66	64	36	108	47	134	150	34	60
	Female	59	44	22	94	33	92	121	20	59
Race:	White	125	108	58	202	79	226	271	45	119
	Black	-	-	-	-	-	-	-	-	-
	Indian	-	-	-	-	-	-	-	9	-
	Other & Unknown	-	-	-	-	1	-	-	-	-
ICDA**	CAUSE OF DEATH									
001-139	Infective-parasitic	2	-	1	-	-	2	2	2	1
010-018	Tuberculosis	-	-	-	-	-	-	-	1	-
140-208	Neoplasms-malignant	16	22	8	46	20	50	47	14	24
150-159	Digestive	5	2	3	12	6	18	15	4	4
160-165	Respiratory	1	3	2	6	3	11	7	3	7
174-175	Breast	2	4	-	4	-	4	2	2	2
179-187	Genital	2	6	1	6	4	3	10	2	4
188-189	Urinary	-	-	2	3	-	1	2	1	3
204-208	Leukemia	2	-	-	2	4	2	3	-	1
250	Diabetes mellitus	2	1	3	10	4	5	6	1	1
390-448	Major cardiovascular	76	55	25	95	31	118	148	28	69
390-398	Rheumatic heart	-	-	-	-	-	-	-	-	-
402,404	Hypertensive heart	-	-	3	-	-	1	3	-	-
410-414	Ischemic heart	40	29	18	48	14	66	72	12	24
420-429	Other heart	17	14	1	20	5	15	31	6	23
400-401, & 403	Hypertension	1	-	-	-	1	1	2	-	-
430-438	Cerebrovascular	13	8	2	19	10	28	33	6	20
440	Arteriosclerosis	5	2	1	3	-	2	4	2	2
460-519	Respiratory	7	9	2	18	5	21	18	3	11
480-486	Pneumonia	3	3	-	8	3	5	6	1	3
487	Influenza	-	-	-	1	-	-	-	-	-
490-491	Bronchitis	1	-	-	-	-	-	-	-	-
492	Emphysema	-	1	-	-	-	5	2	-	1
493	Asthma	-	-	-	-	-	-	2	-	1
531-533	Ulcer of stomach and duodenum	1	-	-	-	1	-	1	-	-
550-553, & 560	Hernia & intestinal obstruction	-	2	1	-	-	-	1	-	-
571	Chronic liver disease and cirrhosis	2	2	2	2	-	2	1	1	3
580-589	Nephritis, nephrotic syndrome & nephrosis	2	-	2	1	1	1	1	-	1
590	Kidney infection	-	-	-	-	-	-	1	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	-	-	-	-	1	4	-	1
760-779	Perinatal conditions	-	1	4	1	-	-	2	-	-
780-799	Ill-defined	-	1	-	3	1	2	6	-	1
Residual	Other diseases	8	10	2	14	11	13	24	1	4
E800-949	Unintentional Injury	9	2	6	9	5	8	8	4	3
E810-825	Motor vehicle	5	1	2	7	1	5	8	2	-
E880-888	Falls	-	1	1	1	1	2	-	1	1
E950-959	Suicide & self-inflicted injury	-	2	2	1	1	3	1	-	-
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	2	-	-	-	-	-
E980-999	Other violent deaths	-	1	-	-	-	-	-	-	-

Table 44

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Martin	Meeker	Mille Lacs	Morrison	Mower	Murray	Nicollet
DEATHS - Total		260	201	225	278	406	100	175
Rate:	Age & sex adjusted	7.7	7.4	9.2	8.1	7.7	6.5	7.0
Rate:	Sex adjusted-age specific							
	Under 5 years	1.1	2.8	1.9	1.1	0.7	4.8	1.8
	5-14 years	0.0	0.0	0.4	0.0	0.4	0.0	0.0
	15-24 years	1.3	0.9	0.9	0.7	0.3	0.0	0.5
	25-44 years	0.3	1.7	0.7	1.1	1.2	0.8	0.8
	45-64 years	6.3	5.2	9.8	9.4	6.6	4.0	6.5
	65 years and over	49.6	45.3	55.7	47.6	48.4	41.9	43.4
Sex:	Male	139	112	112	167	218	66	90
	Female	121	89	113	111	188	34	85
Race:	White	259	201	223	277	406	99	174
	Black	-	-	-	-	-	-	-
	Indian	-	-	2	-	-	-	-
	Other & Unknown	1	-	-	1	-	1	1
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	1	2	1	2	4	-	-
010-018	Tuberculosis	-	-	-	2	-	-	-
140-208	Neoplasms-malignant	50	35	45	58	90	20	46
150-159	Digestive	12	9	12	14	25	4	15
160-165	Respiratory	14	-	8	13	16	3	7
174-175	Breast	5	5	5	2	9	3	6
179-187	Genital	6	4	10	10	12	1	6
188-189	Urinary	1	-	1	6	6	1	1
204-208	Leukemia	1	1	1	3	3	1	1
250	Diabetes mellitus	6	3	10	4	5	-	1
390-448	Major cardiovascular	154	100	106	147	176	51	77
390-398	Rheumatic heart	3	1	1	-	1	-	1
402,404	Hypertensive heart	4	-	-	3	1	1	-
410-414	Ischemic heart	97	46	63	66	88	32	43
420-429	Other heart	14	15	18	35	36	6	11
400-401, & 403	Hypertension	-	-	-	-	1	-	-
430-438	Cerebrovascular	24	26	16	38	38	10	10
440	Arteriosclerosis	4	8	5	2	1	-	6
460-519	Respiratory	11	18	23	31	27	10	14
480-486	Pneumonia	7	7	14	24	11	5	7
487	Influenza	-	-	1	-	-	-	-
490-491	Bronchitis	-	-	-	1	1	-	1
492	Emphysema	-	1	1	1	-	1	-
493	Asthma	-	1	1	1	1	-	3
531-533	Ulcer of stomach and duodenum	2	2	3	1	1	1	-
550-553, & 560	Hernia & intestinal obstruction	-	-	-	2	2	1	2
571	Chronic liver disease and cirrhosis	3	1	1	2	3	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	6	1	4	1	4	1	-
590	Kidney infection	-	-	-	-	1	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	-	2	-	2	-	2	3
760-779	Perinatal conditions	1	2	1	2	2	2	2
780-799	Ill-defined	2	6	2	1	39	2	1
Residual	Other diseases	15	12	15	11	30	6	18
E800-949	Unintentional Injury	7	15	10	11	17	3	6
E810-825	Motor vehicle	3	8	5	3	6	2	2
E880-888	Falls	1	6	3	-	5	-	1
E950-959	Suicide & self-inflicted injury	2	1	3	2	5	-	2
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	-	-	-	-
E980-999	Other violent deaths	-	1	1	1	-	-	1

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Nobles	Norman	Olmsted	Otter Tail	Penn-ington	Pine	Pipe-stone	Polk
DEATHS - Total		187	135	611	553	149	198	145	374
Rate:	Age & sex adjusted	6.7	8.3	7.8	7.3	8.5	7.8	8.5	8.6
Rate:	Sex adjusted-age specific								
	Under 5 years	1.8	1.5	2.5	1.5	0.9	1.8	1.2	1.8
	5-14 years	0.3	0.0	0.3	0.3	0.9	0.3	1.3	0.0
	15-24 years	0.3	0.7	0.8	1.1	1.2	1.6	1.0	1.0
	25-44 years	1.3	0.5	0.8	1.3	1.0	1.9	0.4	1.2
	45-64 years	5.5	3.7	6.0	7.0	7.8	6.1	7.6	7.9
	65 years and over	41.3	58.5	49.1	43.3	51.2	45.7	52.9	52.4
Sex:	Male	90	79	285	313	80	129	78	194
	Female	97	56	326	240	69	69	67	180
Race:	White	186	134	609	553	149	195	145	369
	Black	1	-	1	-	-	-	-	1
	Indian	-	-	-	-	-	3	-	2
	Other & Unknown	-	1	1	-	-	-	-	2
ICDA**	CAUSE OF DEATH								
001-139	Infective-parasitic	1	-	3	10	1	2	-	2
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	32	29	141	128	25	41	26	89
150-159	Digestive	8	7	33	47	6	12	8	31
160-165	Respiratory	9	5	33	26	4	10	4	8
174-175	Breast	2	-	16	10	3	2	1	6
179-187	Genital	6	2	18	14	4	8	1	10
188-189	Urinary	2	6	6	5	4	-	-	7
204-208	Leukemia	1	2	6	1	1	1	3	5
250	Diabetes mellitus	-	2	10	5	1	2	1	5
390-448	Major cardiovascular	83	83	283	277	84	95	87	184
390-398	Rheumatic heart	1	-	4	1	-	1	-	-
402,404	Hypertensive heart	-	-	5	1	-	1	1	2
410-414	Ischemic heart	48	54	168	156	49	43	47	107
420-429	Other heart	17	8	33	58	8	29	15	24
400-401, & 403	Hypertension	1	2	4	4	-	2	-	-
430-438	Cerebrovascular	16	12	53	35	21	15	14	35
440	Arteriosclerosis	-	5	7	11	3	1	5	8
460-519	Respiratory	27	10	42	33	13	16	9	26
480-486	Pneumonia	14	3	17	12	5	8	4	13
487	Influenza	-	1	-	-	-	-	-	-
490-491	Bronchitis	-	-	3	-	-	-	-	1
492	Emphysema	2	2	-	-	-	2	-	-
493	Asthma	3	-	1	1	-	-	-	1
531-533	Ulcer of stomach and duodenum	1	-	4	2	-	1	-	2
550-553, & 560	Hernia & intestinal obstruction	1	-	1	1	-	1	2	2
571	Chronic liver disease and cirrhosis	1	-	5	7	1	-	-	-
580-589	Nephritis, nephrotic syndrome & nephrosis	2	1	2	6	2	1	3	5
590	Kidney infection	-	-	-	1	2	-	-	1
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-	-
740-759	Congenital anomalies	1	-	8	1	-	-	-	3
760-779	Perinatal conditions	2	-	7	2	-	-	-	1
780-799	Ill-defined	1	1	7	5	1	6	1	4
Residual	Other diseases	29	5	45	40	12	10	7	29
E800-949	Unintentional Injury	6	3	39	30	6	19	7	15
E810-825	Motor vehicle	5	1	20	9	2	9	3	6
E880-888	Falls	1	1	11	8	2	2	2	3
E950-959	Suicide & self-inflicted injury	-	1	11	5	1	4	1	6
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	3	-	-	-	-	-
E980-999	Other violent deaths	-	-	-	-	-	-	1	-

Table 44
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Pope	Ramsey	St. Paul	Red Lake	Redwood	Renville	Rice	Rock
DEATHS - Total		146	3,868	2,663	50	228	208	368	101
Rate:	Age & sex adjusted	8.3	8.5	8.4	7.3	8.2	7.3	8.0	7.4
Rate:	Sex adjusted-age specific								
	Under 5 years	1.1	2.3	2.3	0.0	0.6	1.3	2.0	4.8
	5-14 years	0.0	0.1	0.2	0.0	0.0	0.7	0.5	0.6
	15-24 years	0.5	0.9	1.0	1.0	0.9	0.6	1.3	0.0
	25-44 years	1.8	1.1	1.2	1.6	1.1	0.6	1.5	0.4
	45-64 years	9.3	8.5	10.1	6.9	5.0	6.3	5.7	6.8
	65 years and over	48.0	50.7	47.5	44.0	54.8	46.0	49.3	45.2
Sex:	Male	83	1,867	1,251	28	123	101	187	52
	Female	63	2,001	1,412	22	105	107	181	49
Race:	White	146	3,738	2,547	49	227	207	365	101
	Black	-	101	93	-	-	-	1	-
	Indian	-	7	4	-	1	-	-	-
	Other & Unknown	-	22	19	1	-	1	2	-
ICDA***	CAUSE OF DEATH								
001-139	Infective-parasitic	4	35	28	-	1	2	4	-
010-018	Tuberculosis	-	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	24	944	651	8	45	43	88	17
150-159	Digestive	7	238	166	1	9	18	24	5
160-165	Respiratory	9	239	159	2	7	6	22	3
174-175	Breast	1	86	57	1	4	4	4	2
179-187	Genital	2	105	76	1	8	5	12	3
188-189	Urinary	1	34	25	-	1	4	1	2
204-208	Leukemia	1	43	30	-	-	1	4	1
250	Diabetes mellitus	4	62	43	3	1	1	7	-
390-448	Major cardiovascular	72	1,727	1,193	23	137	128	170	63
390-398	Rheumatic heart	1	16	11	-	-	-	2	-
402,404	Hypertensive heart	-	27	19	-	-	3	4	1
410-414	Ischemic heart	42	991	691	13	67	74	85	41
420-429	Other heart	5	244	163	4	32	25	33	1
400-401, & 403	Hypertension	-	15	11	1	-	1	4	-
430-438	Cerebrovascular	20	294	209	3	35	22	33	15
440	Arteriosclerosis	-	62	33	-	1	3	6	3
460-519	Respiratory	16	304	215	1	9	12	33	5
480-486	Pneumonia	8	122	80	1	5	7	14	3
487	Influenza	-	3	1	-	-	-	-	-
490-491	Bronchitis	-	5	4	-	1	-	-	-
492	Emphysema	-	31	25	-	-	-	3	-
493	Asthma	-	3	1	-	-	1	1	-
531-533	Ulcer of stomach and duodenum	-	14	10	1	1	-	-	-
550-553, & 560	Hernia & intestinal obstruction	-	14	9	1	1	-	2	-
571	Chronic liver disease and cirrhosis	1	46	32	-	1	1	7	-
580-589	Nephritis, nephrotic syndrome & nephrosis	1	29	19	-	3	2	4	1
590	Kidney infection	-	1	1	-	-	-	1	-
630-676	Pregnancy, childbirth & puerperium	-	1	-	-	-	-	-	-
740-759	Congenital anomalies	-	24	14	-	1	1	1	3
760-779	Perinatal conditions	1	37	25	-	1	1	4	2
780-799	Ill-defined	8	153	112	3	2	-	1	1
Residual	Other diseases	11	275	186	5	14	9	20	3
E800-949	Unintentional Injury	4	117	73	5	9	8	25	6
E810-825	Motor vehicle	2	45	21	1	4	4	14	1
E880-888	Falls	-	20	16	1	1	2	3	3
E950-959	Suicide & self-inflicted injury	-	62	34	-	2	-	1	-
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	19	14	-	-	-	-	-
E980-999	Other violent deaths	-	4	4	-	-	-	-	-

Table 44
SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Roseau	St. Louis	Duluth	Scott	Sherburne	Sibley	Stearns
DEATHS - Total		134	2,059	1,023	271	185	167	706
Rate:	Age & sex adjusted	8.3	8.3	9.3	8.7	8.0	7.9	7.3
Rate:	Sex adjusted-age specific							
	Under 5 years	2.7	2.3	2.6	1.2	1.3	0.0	1.5
	5-14 years	0.0	0.1	0.1	0.1	0.0	0.0	0.3
	15-24 years	0.4	0.7	0.6	0.6	1.1	2.0	0.6
	25-44 years	1.5	1.2	1.5	0.7	1.1	0.3	0.7
	45-64 years	8.0	9.3	11.5	4.9	6.2	7.9	6.2
	65 years and over	49.6	48.5	52.6	59.4	50.2	49.2	46.0
Sex:	Male	88	1,097	509	156	88	92	458
	Female	46	962	514	115	97	75	248
Race:	White	134	2,034	1,008	268	185	167	705
	Black	-	5	5	-	-	-	-
	Indian	-	14	6	2	-	-	-
	Other & Unknown	-	6	4	1	-	-	1
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	3	12	5	3	3	1	4
010-018	Tuberculosis	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	36	459	222	59	29	43	160
150-159	Digestive	11	138	67	17	2	11	43
160-165	Respiratory	11	111	50	17	8	5	37
174-175	Breast	1	38	22	5	4	5	12
179-187	Genital	2	56	27	7	4	13	17
188-189	Urinary	1	20	6	1	3	2	9
204-208	Leukemia	2	19	5	3	2	3	4
250	Diabetes mellitus	2	39	20	4	3	2	6
390-448	Major cardiovascular	57	1,021	490	138	105	68	371
390-398	Rheumatic heart	-	11	5	1	-	-	3
402,404	Hypertensive heart	2	24	11	4	-	1	8
410-414	Ischemic heart	28	501	239	78	57	32	247
420-429	Other heart	20	253	111	26	19	17	42
400-401, & 403	Hypertension	-	9	5	3	1	-	4
430-438	Cerebrovascular	6	158	81	16	21	11	46
440	Arteriosclerosis	-	25	14	5	5	4	14
460-519	Respiratory	10	167	104	17	11	8	41
480-486	Pneumonia	5	75	49	8	8	1	12
487	Influenza	-	2	1	-	-	-	-
490-491	Bronchitis	-	2	1	-	1	-	1
492	Emphysema	1	15	8	-	-	1	4
493	Asthma	-	4	3	-	-	1	3
531-533	Ulcer of stomach and duodenum	-	10	7	-	1	1	2
550-553, & 560	Hernia & intestinal obstruction	-	7	3	-	-	-	1
571	Chronic liver disease and cirrhosis	-	34	11	4	1	1	8
580-589	Nephritis, nephrotic syndrome & nephrosis	4	9	4	1	2	1	5
590	Kidney infection	-	3	3	1	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	1	-	-	-	-	-
740-759	Congenital anomalies	-	8	6	-	1	1	5
760-779	Perinatal conditions	1	11	5	2	2	-	4
780-799	Ill-defined	2	47	30	3	1	17	6
Residual	Other diseases	10	118	68	19	12	16	50
E800-949	Unintentional Injury	7	85	34	15	9	8	38
E810-825	Motor vehicle	4	27	11	8	5	3	21
E880-888	Falls	1	20	70	1	1	2	5
E950-959	Suicide & self-inflicted injury	2	22	10	5	4	-	3
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	1	-	-	1	-	-
E980-999	Other violent deaths	-	5	1	-	-	-	2

Table 44
SELECTED MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Steele	Stevens	Swift	Todd	Traverse	Wabasha	Wadena
DEATHS - Total		236	103	159	250	64	204	156
Rate:	Age & sex adjusted	7.2	7.8	9.0	7.6	7.0	8.5	8.5
Rate:	Sex adjusted-age specific							
	Under 5 years	2.0	3.5	1.1	2.2	4.6	1.8	3.5
	5-14 years	0.2	0.0	0.6	0.0	0.0	0.3	0.0
	15-24 years	0.2	0.9	0.9	0.4	0.0	2.1	0.8
	25-44 years	0.9	1.0	1.4	0.5	1.0	1.2	2.2
	45-64 years	6.0	5.2	11.2	6.7	3.9	6.6	9.2
	65 years and over	45.7	49.4	51.1	48.3	45.3	51.4	47.0
Sex:	Male	127	51	82	155	41	102	92
	Female	109	52	77	95	23	102	64
Race:	White	236	103	159	250	63	204	154
	Black	-	-	-	-	-	-	-
	Indian	-	-	-	-	1	-	2
	Other & Unknown	-	-	-	-	-	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	3	-	1	1	-	1	2
010-018	Tuberculosis	-	-	-	-	-	-	-
140-208	Neoplasms-malignant	51	22	41	49	11	55	31
150-159	Digestive	19	6	12	14	4	22	6
160-165	Respiratory	4	3	8	8	3	13	4
174-175	Breast	5	2	1	5	1	2	2
179-187	Genital	6	2	5	5	-	1	5
188-189	Urinary	1	2	3	3	1	2	2
204-208	Leukemia	3	1	2	5	2	3	2
250	Diabetes mellitus	5	1	2	4	-	3	1
390-448	Major cardiovascular	120	54	74	133	32	86	88
390-398	Rheumatic heart	-	-	2	-	-	2	1
402,404	Hypertensive heart	2	3	-	-	-	2	-
410-414	Ischemic heart	74	26	27	84	16	49	46
420-429	Other heart	11	9	18	20	6	9	16
400-401, & 403	Hypertension	1	3	1	-	-	2	-
430-438	Cerebrovascular	23	8	15	18	8	18	19
440	Arteriosclerosis	6	1	4	6	-	1	4
460-519	Respiratory	15	7	13	20	5	17	7
480-486	Pneumonia	7	5	6	10	2	6	3
487	Influenza	-	-	-	-	-	-	-
490-491	Bronchitis	-	-	-	-	-	-	-
492	Emphysema	3	-	-	2	-	-	-
493	Asthma	1	-	1	-	-	2	-
531-533	Ulcer of stomach and duodenum	2	-	-	-	-	-	-
550-553, & 560	Hernia & intestinal obstruction	1	-	-	-	1	-	1
571	Chronic liver disease and cirrhosis	2	1	2	1	-	1	2
580-589	Nephritis, nephrotic syndrome & nephrosis	2	-	1	3	2	-	-
590	Kidney infection	-	-	-	2	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	-	-
740-759	Congenital anomalies	2	-	1	2	2	1	2
760-779	Perinatal conditions	-	1	-	1	-	-	-
780-799	Ill-defined	1	4	5	6	1	5	-
Residual	Other diseases	20	9	13	16	8	18	11
E800-949	Unintentional Injury	9	4	4	12	2	13	10
E810-825	Motor vehicle	3	3	1	7	-	8	3
E880-888	Falls	-	-	-	-	2	2	1
E950-959	Suicide & self-inflicted injury	3	-	1	-	-	4	1
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	-	-	-	-	-	-
E980-999	Other violent deaths	-	-	1	-	-	-	-

Table 44

SELECTED RESIDENT MORTALITY STATISTICS BY COUNTY AND CITIES OVER 90,000*, MINNESOTA, 1984 (CONT.)

		Waseca	Wash-ington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
DEATHS - Total		155	544	126	74	400	418	160
Rate:	Age & sex adjusted	7.4	7.9	7.3	7.0	7.7	7.7	8.3
Rate:	Sex adjusted-age specific							
	Under 5 years	3.2	1.4	3.0	0.0	0.8	2.0	2.0
	5-14 years	0.3	0.1	0.0	0.8	0.2	0.1	0.0
	15-24 years	0.0	0.6	1.1	0.0	0.5	0.9	1.7
	25-44 years	0.6	1.1	1.7	2.0	1.2	0.7	1.0
	45-64 years	5.4	4.4	5.5	5.6	6.1	6.6	10.3
	65 years and over	48.0	52.4	43.6	42.2	48.9	48.2	46.1
Sex:	Male	72	300	69	37	190	248	89
	Female	83	244	57	37	210	170	71
Race:	White	154	539	126	74	398	418	160
	Black	-	3	-	-	-	-	-
	Indian	-	-	-	-	-	-	-
	Other & Unknown	1	2	-	-	2	-	-
ICDA**	CAUSE OF DEATH							
001-139	Infective-parasitic	2	3	-	-	5	5	5
010-018	Tuberculosis	-	1	-	-	-	-	-
140-208	Neoplasms-malignant	45	148	25	23	75	93	35
150-159	Digestive	14	35	5	10	25	31	12
160-165	Respiratory	6	34	5	5	13	19	3
174-175	Breast	3	14	4	1	9	9	4
179-187	Genital	2	14	4	2	7	6	3
188-189	Urinary	5	10	1	-	3	3	1
204-208	Leukemia	3	7	2	4	5	1	2
250	Diabetes mellitus	-	8	5	2	3	10	2
390-448	Major cardiovascular	81	210	72	31	213	183	74
390-398	Rheumatic heart	1	1	-	-	2	2	-
402,404	Hypertensive heart	-	2	-	-	7	2	1
410-414	Ischemic heart	47	111	54	20	111	84	37
420-429	Other heart	12	40	2	5	52	53	17
400-401, & 403	Hypertension	-	4	-	-	1	1	-
430-438	Cerebrovascular	16	28	12	2	20	29	16
440	Arteriosclerosis	3	12	1	1	5	4	-
460-519	Respiratory	8	45	7	5	30	35	12
480-486	Pneumonia	3	15	3	3	11	24	8
487	Influenza	1	-	-	-	-	-	1
490-491	Bronchitis	-	1	-	-	1	-	-
492	Emphysema	-	5	-	-	-	-	-
493	Asthma	-	1	-	-	-	-	-
531-533	Ulcer of stomach and duodenum	1	1	-	-	2	-	1
550-553, & 560	Hernia & intestinal obstruction	-	2	-	-	4	3	-
571	Chronic liver disease and cirrhosis	1	11	1	-	4	3	1
580-589	Nephritis, nephrotic syndrome & nephrosis	-	6	3	2	1	4	3
590	Kidney infection	2	-	-	-	-	-	-
630-676	Pregnancy, childbirth & puerperium	-	-	-	-	-	1	-
740-759	Congenital anomalies	4	4	1	-	3	4	-
760-779	Perinatal conditions	1	6	-	-	1	3	1
780-799	Ill-defined	-	18	1	-	6	22	-
Residual	Other diseases	7	37	5	4	36	19	11
E800-949	Unintentional Injury	-	25	5	6	16	24	10
E810-825	Motor vehicle	-	16	2	4	9	15	3
E880-888	Falls	-	2	-	1	5	3	2
E950-959	Suicide & self-inflicted injury	2	16	-	1	1	7	5
E960-978	Homicide & injury purposely inflicted by other persons & legal intervention	-	4	-	-	-	1	-
E980-999	Other violent deaths	1	-	1	-	-	1	-

---

* As of the 1980 Census

** For detailed causes see Table 38

Marriage and Divorce

Table 45
MARRIAGES REPORTED IN MINNESOTA BY STATE OF RESIDENCE
1984

State of Residence	Marriages Reported Residence of Bride	Marriages Reported Residence of Groom	Percent of Marriages Reported Residence of Bride	Percent of Marriages Reported Residence of Groom
Total	36,223	36,223	100.0	100.0
Minnesota*	34,069	32,655	94.1	90.1
Other Areas and Unknown	2,154	3,568	5.9	9.9
Iowa	155	256	0.4	0.7
North Dakota	321	461	0.9	1.3
South Dakota	136	190	0.4	0.5
Wisconsin	370	546	1.0	1.5
Other States	1,119	2,001	3.1	5.5
U.S. Territories	1	2	0.0	0.0
Other Nations	52	112	0.1	0.3
Unknown	-	-	-	-

---

* The resident totals are not true resident totals for Minnesota. Information is not available at the present time on the number of Minnesotans who marry in other States.

108

Table 46
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1984

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
State Total	36,223	14,733	18	7
Aitkin	86	39	-	-
Anoka	1,563	900	2	-
Becker	224	88	-	-
Beltrami	354	183	-	-
Benton	72	52	1	-
Big Stone	53	13	-	-
Blue Earth	569	145	-	-
Brown	234	74	-	-
Carlton	273	138	-	-
Carver	280	132	-	-
Cass	105	69	-	-
Chippewa	90	39	-	-
Chisago	224	89	-	-
Clay	539	146	-	-
Clearwater	74	25	-	-
Cook	42	11	-	-
Cottonwood	99	31	-	-
Crow Wing	420	193	-	-
Dakota	805	884	1	-
Dodge	107	37	-	-
Douglas	257	95	-	-
Faribault	115	52	-	-
Fillmore	119	29	-	2
Freeborn	299	129	-	1
Goodhue	272	125	-	-
Grant	35	22	-	-
Hennepin	11,116	4,200	6	-
Houston	152	46	-	-
Hubbard	105	43	-	2
Isanti	193	75	-	-
Itasca	342	158	-	-
Jackson	84	21	-	-
Kanabec	85	45	-	-
Kandiyohi	355	107	-	-
Kittson	39	9	-	-
Koochiching	135	83	-	-
Lac Qui Parle	52	18	-	-
Lake	88	28	-	-
Lake of the Woods	50	8	-	-
Le Sueur	118	41	-	-
Lincoln	44	15	-	-
Lyon	268	75	-	-
McLeod	251	82	-	-
Mahnomen	38	8	-	-
Marshall	64	21	-	-

Table 46
MARRIAGES, DIVORCES, AND ANNULMENTS BY COUNTY OF OCCURRENCE
MINNESOTA, 1984 (CONT.)

County	Marriages	Divorces	Annulments	Unknown Divorce or Annulment
Martin	200	66	-	-
Meeker	136	47	-	-
Mille Lacs	141	55	-	-
Morrison	215	70	-	-
Mower	300	131	-	-
Murray	74	18	-	-
Nicollet	169	59	-	-
Nobles	188	53	-	-
Norman	46	19	-	-
Olmsted	1,094	382	-	-
Otter Tail	292	144	-	-
Pennington	143	60	-	-
Pine	156	48	-	-
Pipestone	100	17	-	-
Polk	300	118	1	-
Pope	70	42	-	-
Ramsey	4,370	1,894	5	-
Red Lake	38	15	-	-
Redwood	161	41	-	-
Renville	98	38	-	-
Rice	344	141	2	-
Rock	103	12	-	-
Roseau	110	35	-	-
St. Louis	1,620	825	-	-
Scott	559	147	-	-
Sherburne	230	109	-	-
Sibley	87	18	-	-
Stearns	1,194	242	-	1
Steele	220	86	-	-
Stevens	85	21	-	-
Swift	80	17	-	-
Todd	138	54	-	-
Traverse	36	2	-	-
Wabasha	110	35	-	-
Wadena	190	34	-	-
Waseca	154	41	-	-
Washington	751	442	-	-
Watonwan	92	39	-	-
Wilkin	55	15	-	-
Winona	400	105	-	-
Wright	410	144	-	1
Yellow Medicine	75	29	-	-
Unknown	-	-	-	-

Table 47
MARRIAGES OCCURRING IN MINNESOTA BY RACE OF BRIDE AND GROOM, 1984

	GROOM								
BRIDE	TOTAL	WHITE	BLACK	INDIAN	CHINESE	JAPANESE	OTHER* ASIAN	OTHER	UNKNOWN
TOTAL	36,223	31,783	711	203	38	13	134	25	3,316
WHITE	31,693	31,057	238	108	16	7	34	17	216
BLACK	485	35	430	2	1	-	-	-	17
INDIAN	210	109	9	88	-	-	-	-	4
CHINESE	36	11	1	-	21	-	1	-	2
JAPANESE	11	7	-	-	-	3	-	-	1
OTHER ASIAN*	168	64	-	1	-	1	98	-	4
OTHER	37	28	-	-	-	-	-	6	3
UNKNOWN	3,583	472	33	4	-	2	1	2	3,069

* Includes Pacific Islanders

111

112

Table 48
MARRIAGES OCCURRING IN MINNESOTA
BY AGE OF BRIDE AND GROOM, 1984

		Groom's Age													
Bride's Age	Total	Under 18	18-19	20	21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Un-known*
Total	36,223	34	1,423	1,842	11,687	9,965	4,903	2,471	1,320	856	511	397	315	494	5
Under 18	446	13	180	84	144	21	4	-	-	-	-	-	-	-	-
18-19	4,002	19	868	775	1,853	391	67	22	3	4	-	-	-	-	-
20	3,035	2	206	498	1,712	494	85	31	5	1	-	-	1	-	-
21-24	12,675	-	135	418	6,643	4,201	963	221	54	26	7	4	1	-	2
25-29	8,036	-	26	54	1,116	3,895	1,963	689	186	72	15	15	3	2	-
30-34	3,657	-	4	8	163	770	1,341	820	337	138	50	17	6	3	-
35-39	1,812	-	2	2	37	159	385	511	382	206	83	33	10	1	1
40-44	929	-	-	-	6	23	80	133	247	221	135	51	25	8	-
45-49	537	-	1	2	2	5	10	31	87	147	110	93	33	16	-
50-54	320	-	-	-	1	1	3	7	13	32	81	93	62	27	-
55-59	224	-	-	-	-	1	-	1	4	6	24	61	79	48	-
60-64	203	-	-	-	1	1	-	1	1	3	4	19	64	109	-
65+	326	-	-	-	-	1	-	1	-	-	1	11	31	280	1
Unknown*	21	-	1	1	9	2	2	3	1	-	1	-	-	-	1

* Includes age specified as legal

Table 49
DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
MINNESOTA, 1984

		Husband's Age											
Wife's Age	Total	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65 & Over	Unknown
Total	14,758	29	1,309	2,959	2,930	2,337	1,616	1,080	586	352	214	257	1,089
15-19	163	15	110	28	6	1	1	-	-	-	-	-	2
20-24	2,302	12	1,000	993	206	47	18	5	3	1	3	-	14
25-29	3,264	1	165	1,586	1,114	265	78	22	7	6	1	2	17
30-34	2,767	-	23	256	1,354	833	185	64	25	9	2	3	13
35-39	2,110	1	6	69	184	1,023	592	157	41	17	4	4	12
40-44	1,413	-	3	11	33	132	635	411	121	43	11	11	2
45-49	724	-	-	3	15	19	78	346	198	37	16	8	4
50-54	402	-	-	1	6	7	14	51	153	113	38	14	5
55-59	248	-	1	-	1	2	4	16	32	102	62	27	1
60-64	149	-	-	-	2	-	-	4	4	17	61	59	2
65 & Over	152	-	-	-	-	-	-	-	1	6	15	127	3
Unknown	1,064	-	1	12	9	8	11	4	1	1	1	2	1,014

Occupational Illness and Injury

Table 50
NUMBER OF INJURIES AND ILLNESSES BY MAJOR INDUSTRIAL CATEGORY MINNESOTA, 1983 AND 1984

Industrial Category	Number of Injuries and Illnesses 1983	Percent of Total	1984	Percent of Total	Percent Change 1983-1984
Agriculture, Forestry and Fisheries	773	1.9	806	1.7	4.3
Mining	316	0.8	349	0.7	10.4
Construction	4,194	10.1	4,430	9.3	5.6
Manufacturing	12,356	29.6	15,147	31.9	22.6
Transportation and Public Utilities	3,859	9.2	3,966	8.4	2.8
Wholesale and Retail Trades	8,697	20.8	9,652	20.4	11.0
Finance, Insurance and Real Estate	773	1.9	757	1.6	- 2.1
Services	9,435	22.6	7,762	16.4	-17.7
Public Administration	1,313	3.1	4,559*	9.6	N/A
Nonclassified Industries	4	0.0	1	0.0	0
Total	41,720	100.0	47,429	100.0	13.7

---

* Beginning in 1984, includes Local Government data.

116

Table 51

ANNUAL AVERAGE EMPLOYMENT, PERCENT OF TOTAL EMPLOYMENT AND RATE OF OCCUPATIONAL INJURIES AND ILLNESSES PER 1,000 WORKERS BY INDUSTRIAL CATEGORY*, MINNESOTA, 1984

Industrial Category	1984
Mining	
Annual Average Employment	9,400
Percent	0.5
Rate of Injuries Per 1,000 Workers	37.1
Construction	
Annual Average Employment	67,600
Percent	3.7
Rate of Injuries Per 1,000 Workers	65.5
Manufacturing	
Annual Average Employment	373,700
Percent	20.5
Rate of Injuries Per 1,000 Workers	40.5
Transportation and Public Utilities	
Annual Average Employment	96,900
Percent	5.3
Rate of Injuries Per 1,000 Workers	40.9
Wholesale and Retail Trades	
Annual Average Employment	455,800
Percent	25.0
Rate of Injuries Per 1,000 Workers	21.2
Finance, Insurance and Real Estate	
Annual Average Employment	106,100
Percent	5.8
Rate of Injuries Per 1,000 Workers	7.1
Services	
Annual Average Employment	416,600
Percent	22.9
Rate of Injuries Per 1,000 Workers	18.6
Public Administration	
Annual Average Employment	293,700
Percent	16.1
Rate of Injuries Per 1,000 Workers	15.5
Total - Average Annual Employment	1,819,800
Total - Rate of Injuries Per 1,000 Workers	26.1

---

* Occupational injury and illness rates were calculated by dividing the number of injuries for an industrial category by the average annual employment and are reported as rate per 1,000 workers.

Table 52
NUMBER OF INJURIES AND ILLNESSES BY MAJOR OCCUPATIONAL CATEGORY MINNESOTA, 1983 AND 1984

	Number of Injuries and Illnesses				Percent Change
Occupational Category	1983	Percent of Total	1984	Percent of Total	1983-1984
Professional and Technical	2,209	5.3	2,280	4.8	3.2
Managers and Administrators	2,138	5.1	2,284	4.8	6.8
Sales Workers	784	1.9	862	1.8	9.9
Clerical Workers	2,280	5.5	2,451	5.2	7.5
Crafts Workers	6,626	15.9	8,067	17.0	21.7
Operatives	11,240	26.9	12,924	27.2	15.0
Laborers	6,017	14.4	7,924	16.7	31.7
Farmers	343	0.8	352	0.7	2.6
Service Workers	8,308	19.9	8,779	18.5	5.7
Not Reported	1,775	4.3	1,506	3.2	-15.2
Total	41,720	100.0	47,429	100.0	13.7

Table 53
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY TYPE OF ACCIDENT MINNESOTA, 1983 AND 1984

	Number of Injuries and Illnesses				Percent Change
Type of Accident	1983	Percent of Total	1984	Percent of Total	1983-1984
Struck Against or By Object	7,789	18.7	9,036	19.1	16.0
Fall	7,018	16.8	7,685	16.2	9.5
Caught In, Under or Between Objects	1,659	4.0	1,881	4.0	13.4
Abraded	676	1.6	936	2.0	38.5
Motion	2,737	6.6	2,896	6.1	5.8
Over Exertion	12,389	29.7	15,124	31.9	22.1
Contact with Electricity	57	0.1	75	0.2	31.6
Contact with Extreme Temperature	886	2.1	923	1.9	4.2
Contact with Radiation Toxics or Caustics	849	2.0	1,019	2.1	20.0
Public Transportation	18	0.0	11	0.0	-38.9
Motor Vehicle Accidents	1,075	2.6	1,181	2.5	9.9
Exposure to Noise	53	0.1	52	0.1	- 1.9
Explosion	69	0.2	100	0.2	44.9
Accidents, N.E.C.	430	1.0	459	1.0	6.7
Unclassified Data	6,015	14.4	6,051	12.8	0.6
Total	41,720	100.0	47,429	100.0	13.7

Table 54
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY NATURE OF INJURY
MINNESOTA, 1983 AND 1984

Nature of Injury	Number of Injuries and Illnesses				Percent Change
	1983	Percent of Total	1984	Percent of Total	1983-1984
Amputation	87	0.2	108	0.2	24.1
Laceration	4,944	11.9	5,684	12.0	15.0
Contusion	3,336	8.0	3,801	8.0	13.9
Abrasion	584	1.4	661	1.4	13.2
Heat Burn	891	2.1	974	2.1	9.3
Chemical Burn	307	0.7	338	0.7	10.1
Concussion	115	0.3	138	0.3	20.0
Fracture	3,026	7.3	3,540	7.5	17.0
Dislocation	1,293	3.1	1,519	3.2	17.5
Sprain	18,351	44.0	21,278	44.9	16.0
Hernia	854	2.0	925	2.0	8.3
Asphyxia	4	0.0	9	0.0	125.0
Barometric Effects	2	0.0	7	0.0	250.0
Frostbite, Freezing	31	0.1	13	0.0	-58.1
Heat Stroke	24	0.1	10	0.0	-58.3
Electric Shock	42	0.1	52	0.1	23.8
Hearing Loss	81	0.2	73	0.2	- 9.9
Infective Diseases	30	0.1	33	0.1	10.0
Respiratory Diseases	58	0.1	77	0.2	32.8
Pneumoconiosis	17	0.0	13	0.0	-23.5
Poisoning	207	0.5	333	0.7	60.9
Mental Diseases	81	0.2	114	0.2	40.7
Nervous System Diseases*	27	0.1	420*	0.9	N/A
Neoplasm	4	0.0	9	0.0	125.0
Radiation Effects	30	0.1	37	0.1	23.3
Dermatitis	301	0.7	312	0.7	3.7
Circulatory System	145	0.3	101	0.2	-30.3
Heart Attack	282	0.7	238	0.5	-15.6
Eye Diseases	18	0.0	17	0.0	- 5.6
Inflammation of Joints	1,295	3.1	1,354	2.9	4.6
Hemorrhoids	11	0.0	13	0.0	18.2
Multiple Injuries	973	2.3	1,070	2.3	10.0
Unclassified	4,269	10.2	4,158	8.8	- 2.6
Total	41,720	100.0	47,429	100.0	13.7

---

* Nervous System Diseases Classification changed in 1984.

Table 55
NUMBER OF OCCUPATIONAL INJURIES AND ILLNESSES BY PART OF BODY INJURED
MINNESOTA, 1983 AND 1984

Part of Body	Number of Injuries and Illnesses 1983	Percent of Total	1984	Percent of Total	Percent Change 1983-1984
Head	1,134	2.7	1,273	2.7	12.3
Eye	944	2.3	1,166	2.5	23.5
Neck	639	1.5	786	1.7	23.0
Upper Extremities, Except Finger	5,744	13.8	6,850	14.4	19.3
Finger	4,008	9.6	4,541	9.6	13.3
Trunk, Except Back	4,441	10.6	5,011	10.6	12.8
Back	12,846	30.8	14,621	30.8	13.8
Lower Extremities, Except Leg	3,706	8.9	4,148	8.7	11.9
Leg	3,536	8.5	3,934	8.3	11.3
Body Systems	901	2.2	1,091	2.3	21.1
Multiple Parts	3,180	7.6	3,405	7.2	7.1
Body Parts Unclassified	641	1.5	603	1.3	- 5.9
Total	41,720	100.0	47,429	100.0	13.7

Population

POPULATION OF MINNESOTA

The population of Minnesota grew by an estimated 85,494 persons from April 1, 1980 to April 1, 1984.[1] The 1984 population of 4,161,464 persons represents an increase of 2.1 percent since 1980. Minnesota's population growth rate has slowed in the past two years. Between 1980 and 1982, the state grew by 57,364 persons. From 1982 to 1984, the state's population increased by 28,130, less than half the amount recorded in the previous two-year period. The slower growth from 1982 to 1984 may be a reflection of economic problems confronting the mining, forestry and agriculture industries in the state.

Minnesota's growth rate of 2.1 percent between 1980 and 1984 was slower than the national growth rate of 4.2 percent over the same period. Thirty-three states grew faster than Minnesota between 1980 and 1984. Compared with its immediate neighbors, Minnesota's growth rate exceeded that of Wisconsin, Iowa and Michigan.

Most of the population growth in Minnesota since 1980 has occurred in the suburban and rural areas of the state. The suburban population increased by 6.1 percent between 1980 and 1984 while the rural population increased by 2.9 percent. Although suburban growth has outpaced rural growth since 1980, suburban areas are growing slower than they did during the 1970s while rural areas are growing faster.

Twelve of the twenty fastest-growing counties in Minnesota are within metropolitan areas. Among those metropolitan counties are eight in the Twin Cities area, all three counties in the St. Cloud area and Olmsted. With the exception of Kandiyohi County in west-central Minnesota and Cook County in the northeast corner of the state, the fastest growing nonmetropolitan counties are found in the western lakes region of Minnesota stretching from Douglas County up to Roseau and Lake of the Woods Counties. Counties losing population are found in northeastern Minnesota and along the southern and western borders of the state.

The fastest growing counties in Minnesota are Scott and Sherburne with increases of over 12 percent between 1980 and 1984. Five other fast growing counties—Dakota, Chisago, Isanti, Washington and Carver—surround the Twin Cities. Hubbard, Beltrami and Kandiyohi Counties also had rates of growth which rank them among the ten fastest growing counties in Minnesota. Lake County, a northeastern Minnesota county plagued by high unemployment in the iron-mining industry, had the highest rate of population loss since 1980. Other counties with high rates of population loss include Pennington, Cottonwood and Yellow Medicine.

Hennepin and Ramsey Counties remain the largest counties in Minnesota. St. Louis County, still the third largest Minnesota county in 1984, lost over

---

[1] These data are derived from the 1980 census and estimates of the 1984 population of Minnesota counties, cities, and townships available from the Office of State Demographer. Adapted from "Population Notes, August, 1985," Minnesota State Planning Agency, Office of State Demographer.

10,000 people between 1980 and 1984. Dakota and Anoka Counties each added over 14,500 persons during the same time period and may soon overtake St. Louis County.

Minnesota's population change is a result of two factors: natural increase (births minus deaths) and migration. After peaking in 1981 at their highest level since 1965, births declined in 1982 and 1983, and rose again slightly in 1984. At the same time, outmigration was more substantial between 1982 and 1984 than it had been between 1980 and 1982.

Minnesota recorded approximately 270,180 births between April 1, 1980 and April 1, 1984. During the same time period, approximately 132,252 deaths were recorded. The difference, or natural increase, was 137,628 persons. Births outnumbered deaths in every Minnesota county between 1980 and 1984. The highest rates of natural increase were found in Scott, the Twin Cities suburban counties of Anoka, Dakota, and Carver and in the counties surrounding St. Cloud--Sherburne, Stearns and Wright. Olmsted and Beltrami Counties also experienced natural increases of nearly five percent. The lowest rates of natural increase were apparent in Aitkin and Norman Counties, reflecting the high proportion of elderly persons residing in those areas.

The growth caused by natural increase is to some extent countered by loss due to migration. Although natural increase added over 137,600 people during the last four years, the population of Minnesota increased by only 85,500 persons. Between 1980 and 1984 an estimated 52,100 more people moved out of Minnesota than moved into the state. This loss is relatively small, amounting to 1.3 percent of the total population. The estimated outmigration of 16,200 between 1983 and 1984 was sizeably smaller than the 21,900 outmigration experienced between 1982 and 1983, however, it was still more than double the estimated outmigration between 1980 and 1981 or 1981 and 1982.

Thirty-three Minnesota counties experienced net inmigration between 1980 and 1984, while the remaining 54 lost more people than they received. Counties surrounding the Twin Cities (Scott, Sherburne, Chisago and Isanti Counties) and to their west and northwest (Hubbard, Kandiyohi, Otter Tail and Douglas Counties) have the highest rates of inmigration. The agricultural areas in the south and the Iron Range and lumbering areas of northeastern Minnesota have the highest rates of outmigration. Pennington and Lake Counties both have outmigration rates exceeding 10 percent. Carlton, Red Lake, St. Louis, Cottonwood, Renville, and Yellow Medicine Counties all experienced greater than six percent outmigration rates.

Please refer to Technical Notes pages 2 and 3 for explanation of the methodology used to produce age and sex estimates by county.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STATE TOTAL	4,161,464	331,304	594,059	734,260	1,251,925	732,920	516,996
MALE	2,040,720	170,153	303,701	371,447	624,431	358,534	212,454
FEMALE	2,120,744	161,151	290,358	362,813	627,494	374,386	304,542
NORTHWESTERN REGION	163,777	13,227	24,550	29,747	41,529	28,696	26,028
MALE	81,705	6,786	12,516	15,247	21,051	14,082	12,023
FEMALE	82,072	6,441	12,034	14,500	20,478	14,614	14,005
NORTHEASTERN REGION	331,891	23,752	47,308	57,072	92,991	61,304	49,464
MALE	164,009	12,264	24,257	29,114	47,265	29,894	21,215
FEMALE	167,882	11,488	23,051	27,958	45,726	31,410	28,249
WEST CENTRAL REGION	210,360	15,790	29,339	39,347	54,523	38,174	33,187
MALE	103,770	8,008	14,992	19,914	27,526	18,507	14,823
FEMALE	106,590	7,782	14,347	19,433	26,997	19,667	18,364
CENTRAL REGION	476,414	41,644	76,185	91,530	128,956	77,803	60,296
MALE	237,263	21,439	38,731	46,425	64,678	38,655	27,335
FEMALE	239,151	20,205	37,454	45,105	64,278	39,148	32,961
SOUTHWESTERN REGION	305,665	23,818	44,211	51,804	76,070	56,370	53,392
MALE	150,902	12,143	22,681	26,587	38,891	27,286	23,314
FEMALE	154,763	11,675	21,530	25,217	37,179	29,084	30,078
SOUTH CENTRAL REGION	222,767	17,683	31,022	40,520	60,995	38,440	34,107
MALE	109,573	9,184	15,904	20,325	31,171	18,682	14,307
FEMALE	113,194	8,499	15,118	20,195	29,824	19,758	19,800
SOUTHEASTERN REGION	411,334	32,696	58,658	75,015	114,569	72,772	57,624
MALE	200,735	16,925	29,899	37,517	57,031	35,658	23,705
FEMALE	210,599	15,771	28,759	37,498	57,538	37,114	33,919
METROPOLITAN REGION	2,039,256	162,694	282,786	349,225	682,292	359,361	202,898
MALE	992,763	83,404	144,721	176,318	336,818	175,770	75,732
FEMALE	1,046,493	79,290	138,065	172,907	345,474	183,591	127,166

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
AITKIN	13,428	968	1,860	2,144	3,099	2,549	2,808
MALE	6,671	492	967	1,092	1,548	1,218	1,354
FEMALE	6,757	476	893	1,052	1,551	1,331	1,454
ANOKA	210,889	18,218	37,642	41,178	70,801	34,213	8,837
MALE	105,516	9,382	19,305	20,847	34,879	17,411	3,692
FEMALE	105,373	8,836	18,337	20,331	35,922	16,802	5,145
BECKER	31,354	2,525	5,037	5,687	7,970	5,521	4,614
MALE	15,699	1,283	2,648	2,945	3,997	2,676	2,150
FEMALE	15,655	1,242	2,389	2,742	3,973	2,845	2,464
BELTRAMI	33,465	3,059	4,833	7,073	9,694	5,153	3,653
MALE	16,644	1,575	2,403	3,539	4,919	2,531	1,677
FEMALE	16,821	1,484	2,430	3,534	4,775	2,622	1,976
BENTON	26,704	2,815	4,442	4,584	8,065	3,811	2,987
MALE	13,229	1,441	2,299	2,303	4,027	1,908	1,251
FEMALE	13,475	1,374	2,143	2,281	4,038	1,903	1,736
BIG STONE	8,088	628	1,034	1,314	1,755	1,651	1,706
MALE	3,944	330	513	667	883	825	726
FEMALE	4,144	298	521	647	872	826	980
BLUE EARTH	52,964	4,120	6,632	10,836	16,686	8,195	6,495
MALE	25,840	2,179	3,376	5,240	8,520	3,940	2,585
FEMALE	27,124	1,941	3,256	5,596	8,166	4,255	3,910
BROWN	28,469	2,316	3,922	5,199	7,192	5,018	4,822
MALE	13,840	1,175	2,067	2,537	3,558	2,501	2,002
FEMALE	14,629	1,141	1,855	2,662	3,634	2,517	2,820
CARLTON	28,575	2,140	4,331	5,006	7,496	5,501	4,101
MALE	14,276	1,098	2,252	2,573	3,816	2,713	1,824
FEMALE	14,299	1,042	2,079	2,433	3,680	2,788	2,277

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
CARVER	39,890	3,369	6,465	7,452	12,388	6,662	3,554
MALE	20,030	1,716	3,358	3,771	6,263	3,394	1,528
FEMALE	19,860	1,653	3,107	3,681	6,125	3,268	2,026
CASS	21,368	1,663	2,998	3,535	4,719	4,226	4,227
MALE	10,562	840	1,451	1,803	2,323	2,060	2,085
FEMALE	10,806	823	1,547	1,732	2,396	2,166	2,142
CHIPPEWA	15,015	1,182	2,127	2,312	3,702	2,821	2,871
MALE	7,327	594	1,055	1,192	1,883	1,356	1,247
FEMALE	7,688	588	1,072	1,120	1,819	1,465	1,624
CHISAGO	27,926	2,393	4,757	5,058	7,754	4,624	3,340
MALE	14,063	1,233	2,472	2,633	3,872	2,344	1,509
FEMALE	13,863	1,160	2,285	2,425	3,882	2,280	1,831
CLAY	49,865	3,598	6,398	11,260	15,216	8,060	5,333
MALE	24,201	1,823	3,261	5,322	7,618	3,923	2,254
FEMALE	25,664	1,775	3,137	5,938	7,598	4,137	3,079
CLEARWATER	9,156	715	1,434	1,633	2,110	1,624	1,640
MALE	4,648	363	712	871	1,072	834	796
FEMALE	4,508	352	722	762	1,038	790	844
COOK	4,321	290	563	692	1,256	864	656
MALE	2,175	138	266	349	637	461	324
FEMALE	2,146	152	297	343	619	403	332
COTTONWOOD	13,948	968	2,008	2,111	3,325	2,541	2,995
MALE	6,790	494	1,021	1,087	1,712	1,222	1,254
FEMALE	7,158	474	987	1,024	1,613	1,319	1,741
CROW WING	42,535	3,372	6,181	7,260	10,793	7,910	7,019
MALE	20,484	1,746	3,036	3,570	5,248	3,704	3,180
FEMALE	22,051	1,626	3,145	3,690	5,545	4,206	3,839

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
DAKOTA	211,927	18,102	36,271	39,221	71,149	34,759	12,425
MALE	104,810	9,226	18,393	19,865	34,735	17,572	5,019
FEMALE	107,117	8,876	17,878	19,356	36,414	17,187	7,406
DODGE	15,184	1,440	2,492	2,560	4,145	2,520	2,027
MALE	7,473	725	1,218	1,301	2,078	1,272	879
FEMALE	7,711	715	1,274	1,259	2,067	1,248	1,148
DOUGLAS	29,802	2,326	4,310	5,415	7,672	5,304	4,775
MALE	14,613	1,181	2,157	2,713	3,874	2,564	2,124
FEMALE	15,189	1,145	2,153	2,702	3,798	2,740	2,651
FARIBAULT	18,908	1,396	2,541	2,958	4,492	3,648	3,873
MALE	9,168	714	1,326	1,529	2,289	1,731	1,579
FEMALE	9,740	682	1,215	1,429	2,203	1,917	2,294
FILLMORE	21,708	1,635	3,130	3,517	5,059	4,069	4,298
MALE	10,808	856	1,664	1,846	2,581	1,969	1,892
FEMALE	10,900	779	1,466	1,671	2,478	2,100	2,406
FREEBORN	35,275	2,520	4,905	5,926	9,025	7,001	5,898
MALE	17,303	1,284	2,517	3,026	4,631	3,408	2,437
FEMALE	17,972	1,236	2,388	2,900	4,394	3,593	3,461
GOODHUE	39,674	3,097	5,724	6,887	10,320	7,065	6,581
MALE	19,628	1,619	2,857	3,664	5,265	3,479	2,744
FEMALE	20,046	1,478	2,867	3,223	5,055	3,586	3,837
GRANT	7,282	545	964	1,098	1,597	1,423	1,655
MALE	3,563	268	500	550	809	688	748
FEMALE	3,719	277	464	548	788	735	907
HENNEPIN	947,786	71,100	114,897	150,525	326,457	174,778	110,029
MALE	456,911	36,378	58,669	75,910	161,181	84,484	40,289
FEMALE	490,875	34,722	56,228	74,615	165,276	90,294	69,740

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
HOUSTON	19,067	1,466	2,803	3,359	4,951	3,559	2,929
MALE	9,503	787	1,429	1,694	2,542	1,749	1,302
FEMALE	9,564	679	1,374	1,665	2,409	1,810	1,627
HUBBARD	15,424	1,115	2,327	2,673	3,802	3,021	2,486
MALE	7,545	548	1,132	1,392	1,829	1,453	1,191
FEMALE	7,879	567	1,195	1,281	1,973	1,568	1,295
ISANTI	25,618	2,051	4,412	4,788	7,568	4,052	2,747
MALE	12,777	1,040	2,274	2,492	3,704	2,039	1,228
FEMALE	12,841	1,011	2,138	2,296	3,864	2,013	1,519
ITASCA	44,573	3,559	7,133	7,689	12,209	8,241	5,742
MALE	22,295	1,821	3,695	3,916	6,133	4,028	2,702
FEMALE	22,278	1,738	3,438	3,773	6,076	4,213	3,040
JACKSON	13,569	965	1,931	2,264	3,306	2,708	2,395
MALE	6,768	508	996	1,198	1,711	1,324	1,031
FEMALE	6,801	457	935	1,066	1,595	1,384	1,364
KANABEC	12,403	1,067	1,951	2,178	3,091	2,274	1,842
MALE	6,117	564	982	1,091	1,511	1,115	854
FEMALE	6,286	503	969	1,087	1,580	1,159	988
KANDIYOHI	39,708	3,214	5,796	7,104	11,146	6,971	5,477
MALE	19,562	1,661	3,007	3,491	5,571	3,354	2,478
FEMALE	20,146	1,553	2,789	3,613	5,575	3,617	2,999
KITTSON	6,846	529	942	1,030	1,683	1,299	1,363
MALE	3,411	240	492	538	899	633	609
FEMALE	3,435	289	450	492	784	666	754
KOOCHICHING	16,867	1,149	2,665	2,999	4,572	3,276	2,206
MALE	8,388	589	1,327	1,549	2,284	1,609	1,030
FEMALE	8,479	560	1,338	1,450	2,288	1,667	1,176

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
LAC QUI PARLE	10,409	781	1,393	1,583	2,387	2,062	2,203
MALE	5,213	427	705	802	1,263	989	1,027
FEMALE	5,196	354	688	781	1,124	1,073	1,176
LAKE	11,913	780	1,730	1,960	3,293	2,569	1,581
MALE	6,136	414	892	1,011	1,781	1,325	713
FEMALE	5,777	366	838	949	1,512	1,244	868
LAKE OF THE WOODS	3,901	295	528	655	949	805	669
MALE	1,957	150	271	367	464	390	315
FEMALE	1,944	145	257	288	485	415	354
LESUEUR	23,471	1,958	3,612	4,231	6,003	4,012	3,655
MALE	11,725	1,005	1,832	2,241	3,060	1,959	1,628
FEMALE	11,746	953	1,780	1,990	2,943	2,053	2,027
LINCOLN	7,951	557	1,140	1,307	1,687	1,562	1,698
MALE	3,930	281	575	687	863	768	756
FEMALE	4,021	276	565	620	824	794	942
LYON	26,054	2,149	3,762	4,975	7,201	4,321	3,646
MALE	12,921	1,081	1,956	2,549	3,695	2,090	1,550
FEMALE	13,133	1,068	1,806	2,426	3,506	2,231	2,096
MCLEOD	30,233	2,412	4,661	5,066	8,268	5,347	4,479
MALE	14,954	1,216	2,434	2,577	4,166	2,626	1,935
FEMALE	15,279	1,196	2,227	2,489	4,102	2,721	2,544
MAHNOMEN	5,614	474	944	1,088	1,146	1,026	936
MALE	2,858	266	484	551	572	510	475
FEMALE	2,756	208	460	537	574	516	461
MARSHALL	12,775	942	2,082	2,181	3,081	2,384	2,105
MALE	6,543	516	1,139	1,133	1,584	1,190	981
FEMALE	6,232	426	943	1,048	1,497	1,194	1,124

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
MARTIN	24,598	1,899	3,449	3,773	6,387	4,623	4,467
MALE	12,079	1,021	1,788	1,913	3,285	2,210	1,862
FEMALE	12,519	878	1,661	1,860	3,102	2,413	2,605
MEEKER	21,065	1,773	3,276	3,454	5,161	3,831	3,570
MALE	10,423	876	1,661	1,785	2,635	1,877	1,589
FEMALE	10,642	897	1,615	1,669	2,526	1,954	1,981
MILLE LACS	18,507	1,581	2,725	3,268	4,477	3,175	3,281
MALE	9,232	824	1,444	1,733	2,195	1,555	1,481
FEMALE	9,275	757	1,281	1,535	2,282	1,620	1,800
MORRISON	30,019	2,716	5,010	5,686	7,062	5,123	4,422
MALE	14,895	1,446	2,546	2,885	3,534	2,464	2,020
FEMALE	15,124	1,270	2,464	2,801	3,528	2,659	2,402
MOWER	39,624	2,796	5,203	6,898	9,312	8,551	6,864
MALE	19,279	1,482	2,635	3,481	4,750	4,060	2,871
FEMALE	20,345	1,314	2,568	3,417	4,562	4,491	3,993
MURRAY	11,386	845	1,694	1,996	2,639	2,260	1,952
MALE	5,693	423	886	1,018	1,388	1,090	888
FEMALE	5,693	422	808	978	1,251	1,170	1,064
NICOLLET	28,064	2,210	3,977	5,889	8,530	4,419	3,039
MALE	13,915	1,153	1,987	2,892	4,418	2,203	1,262
FEMALE	14,149	1,057	1,990	2,997	4,112	2,216	1,777
NOBLES	21,908	1,629	3,110	3,839	5,450	4,205	3,675
MALE	10,710	803	1,576	2,006	2,761	2,032	1,532
FEMALE	11,198	826	1,534	1,833	2,689	2,173	2,143
NORMAN	9,472	633	1,393	1,448	2,060	1,854	2,084
MALE	4,724	335	677	746	1,064	925	977
FEMALE	4,748	298	716	702	996	929	1,107

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
OLMSTED	96,816	8,517	14,100	16,986	31,450	16,520	9,243
MALE	46,232	4,406	7,185	8,248	14,868	8,169	3,356
FEMALE	50,584	4,111	6,915	8,738	16,582	8,351	5,887
OTTER TAIL	55,132	3,972	7,545	9,254	13,422	10,884	10,055
MALE	27,326	1,990	3,822	4,858	6,774	5,295	4,587
FEMALE	27 806	1,982	3,723	4,396	6,648	5,589	5,468
PENNINGTON	14,041	1,126	2,066	2,423	3,840	2,211	2,375
MALE	6,884	559	1,100	1,227	1,923	1,063	1,012
FEMALE	7,157	567	966	1,196	1,917	1,148	1,363
PINE	20,742	1,716	3,204	3,594	5,127	3,862	3,239
MALE	10,540	862	1,621	1,890	2,703	1,935	1,529
FEMALE	10,202	854	1,583	1,704	2,424	1,927	1,710
PIPESTONE	11,400	867	1,593	1,927	2,539	2,148	2,326
MALE	5,482	416	791	1,006	1,294	1,020	955
FEMALE	5,918	451	802	921	1,245	1,128	1,371
POLK	34,520	2,777	5,036	6,276	8,572	6,081	5,778
MALE	17,052	1,447	2,598	3,208	4,335	2,937	2,527
FEMALE	17,468	1,330	2,438	3,068	4,237	3,144	3,251
POPE	11,957	948	1,689	1,874	2,699	2,357	2,390
MALE	5,972	482	855	1,006	1,396	1,154	1,079
FEMALE	5,985	466	834	868	1,303	1,203	1,311
RAMSEY	456,022	37,585	57,786	77,120	146,226	79,817	57,488
MALE	218,109	19,272	29,680	38,474	72,043	37,879	20,761
FEMALE	237,913	18,313	28,106	38,646	74,183	41,938	36,727
RED LAKE	5,239	455	794	997	1,206	877	910
MALE	2,659	241	385	517	643	433	440
FEMALE	2,580	214	409	480	563	444	470

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
REDWOOD	18,853	1,506	2,698	3,177	4,444	3,362	3,666
MALE	9,340	800	1,374	1,638	2,285	1,666	1,577
FEMALE	9,513	706	1,324	1,539	2,159	1,696	2,089
RENVILLE	19,620	1,551	2,765	3,226	4,588	3,675	3,815
MALE	9,798	807	1,413	1,687	2,404	1,790	1,697
FEMALE	9,822	744	1,352	1,539	2,184	1,885	2,118
RICE	47,247	3,523	6,636	10,417	13,575	7,370	5,726
MALE	23,335	1,805	3,329	5,412	6,845	3,593	2,351
FEMALE	23,912	1,718	3,307	5,005	6,730	3,777	3,375
ROCK	10,738	835	1,663	1,741	2,626	2,089	1,784
MALE	5,222	420	837	883	1,341	985	756
FEMALE	5,516	415	826	858	1,285	1,104	1,028
ROSEAU	13,324	1,107	2,171	2,270	3,386	2,361	2,029
MALE	6,780	546	1,123	1,158	1,747	1,183	1,023
FEMALE	6,544	561	1,048	1,112	1,639	1,178	1,006
ST LOUIS	212,214	14,866	29,026	36,582	61,066	38,304	32,370
MALE	104,068	7,712	14,858	18,624	31,066	18,540	13,268
FEMALE	108,146	7,154	14,168	17,958	30,000	19,764	19,102
SCOTT	49,671	4,349	8,554	9,933	15,405	7,941	3,489
MALE	25,004	2,215	4,455	5,126	7,656	4,064	1,488
FEMALE	24,667	2,134	4,099	4,807	7,749	3,877	2,001
SHERBURNE	33,603	3,096	6,064	6,364	10,624	4,825	2,630
MALE	17,161	1,604	3,039	3,387	5,474	2,507	1,150
FEMALE	16,442	1,492	3,025	2,977	5,150	2,318	1,480
SIBLEY	15,655	1,196	2,383	2,578	3,720	3,038	2,740
MALE	7,772	600	1,227	1,283	1,916	1,484	1,262
FEMALE	7,883	596	1,156	1,295	1,804	1,554	1,478

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX
MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
STEARNS	114,585	9,796	16,804	26,655	32,482	17,475	11,373
MALE	57,155	5,065	8,643	13,137	16,457	8,758	5,095
FEMALE	57,430	4,731	8,161	13,518	16,025	8,717	6,278
STEELE	30,527	2,530	4,594	5,306	8,656	5,318	4,123
MALE	15,033	1,297	2,381	2,623	4,370	2,599	1,763
FEMALE	15,494	1,233	2,213	2,683	4,286	2,719	2,360
STEVENS	11,288	853	1,508	2,351	2,943	1,914	1,719
MALE	5,591	447	733	1,220	1,552	920	719
FEMALE	5,697	406	775	1,131	1,391	994	1,000
SWIFT	12,746	953	1,841	2,193	2,928	2,390	2,441
MALE	6,321	502	989	1,143	1,494	1,103	1,090
FEMALE	6,425	451	852	1,050	1,434	1,287	1,351
TODD	25,973	2,247	4,209	4,691	6,056	4,598	4,172
MALE	12,978	1,121	2,132	2,403	3,105	2,269	1,948
FEMALE	12,995	1,126	2,077	2,288	2,951	2,329	2,224
TRAVERSE	5,343	404	675	891	1,043	1,102	1,228
MALE	2,645	225	391	466	503	503	557
FEMALE	2,698	179	284	425	540	599	671
WABASHA	19,359	1,617	2,946	3,327	4,972	3,293	3,204
MALE	9,657	850	1,511	1,706	2,560	1,668	1,362
FEMALE	9,702	767	1,435	1,621	2,412	1,625	1,842
WADENA	13,935	1,148	2,078	2,552	3,152	2,495	2,510
MALE	6,832	580	1,018	1,331	1,568	1,235	1,100
FEMALE	7,103	568	1,060	1,221	1,584	1,260	1,410
WASECA	18,659	1,579	2,899	3,268	5,087	3,140	2,686
MALE	9,296	821	1,485	1,754	2,619	1,524	1,093
FEMALE	9,363	758	1,414	1,514	2,468	1,616	1,593

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Table 56

POPULATION ESTIMATES* BY REGION, COUNTY, CITIES OVER 90,000**, AND SEX MINNESOTA, 1984

	TOTAL	UNDER 5	5-14 YRS.	15-24 YRS.	25-44 YRS.	45-64 YRS.	65 & OVER
WASHINGTON	123,071	9,971	21,171	23,796	39,866	21,191	7,076
MALE	62,383	5,215	10,861	12,325	20,061	10,966	2,955
FEMALE	60,688	4,756	10,310	11,471	19,805	10,225	4,121
WATONWAN	11,979	1,009	1,607	1,788	2,898	2,347	2,330
MALE	5,938	516	816	936	1,506	1,130	1,034
FEMALE	6,041	493	791	852	1,392	1,217	1,296
WILKIN	8,337	619	1,213	1,517	1,961	1,609	1,418
MALE	4,160	309	625	834	1,003	784	605
FEMALE	4,177	310	588	683	958	825	813
WINONA	46,853	3,555	6,125	9,832	13,104	7,506	6,731
MALE	22,484	1,814	3,173	4,516	6,541	3,692	2,748
FEMALE	24,369	1,741	2,952	5,316	6,563	3,814	3,983
WRIGHT	62,496	5,983	11,350	11,317	17,986	9,353	6,507
MALE	31,238	3,073	5,774	5,767	8,957	4,762	2,905
FEMALE	31,258	2,910	5,576	5,550	9,029	4,591	3,602
YELLOW MEDICINE	12,974	1,003	1,719	2,215	2,918	2,426	2,693
MALE	6,504	504	892	1,171	1,542	1,169	1,226
FEMALE	6,470	499	827	1,044	1,376	1,257	1,467
MINNEAPOLIS	364,250	29,342	37,105	48,297	134,967	53,062	61,477
MALE	171,989	14,854	18,944	24,001	68,121	24,882	21,187
FEMALE	192,261	14,488	18,161	24,296	66,846	28,180	40,290
ST PAUL	269,240	23,870	32,036	41,575	85,264	42,746	43,749
MALE	126,232	12,148	16,447	20,498	42,186	19,634	15,319
FEMALE	143,008	11,722	15,589	21,077	43,078	23,112	28,430
DULUTH	86,396	6,499	10,183	14,955	25,107	14,318	15,334
MALE	40,973	3,317	5,202	7,515	12,438	6,814	5,687
FEMALE	45,423	3,182	4,981	7,440	12,669	7,504	9,647

---

* Prepared by MCHS using State Demographer's county totals as input.
** As of 1980 Census.

Appendices

APPENDIX A

DEFINITIONS

DEFINITIONS

ABORTION, INDUCED:

The intentional, premature removal from the uterus of a non-viable fetus.

ABORTION PROCEDURES:

Dilation and curettage (sharp curettage): Mechanical dilation of the cervix with removal of the uterine contents by scraping the uterine wall with a surgical curette.

(Dilation and Evacuation, D & E) (Laminaria and curettage): Dilation of the cervix by insertion of laminaria several hours before removal of uterine contents by suction and sharp curettage.

Hysterectomy/hysterotomy: Removal of the fetus by means of a surgical incision made in the uterine wall. In the case of hysterectomy, the entire uterus is removed.

Menstrual extraction (m. regulation, m. induction): Evacuation of the uterine contents by suction curettage, usually before the diagnosis of pregnancy is reliable. Urine pregnancy test may be negative (-) or positive (+).

Prostaglandin: Induction of labor by injection of a prostaglandin (naturally occurring hormone) solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation. Other hormones may be given intravenously to assist labor.

Saline/fluid exchange: Induction of labor by injection of a sterile salt solution into the amniotic sac. Laminaria are often inserted in the cervix several hours before the injection to aid dilation.

Vacuum curettage: Mechanical dilation of the cervix with removal of the uterine contents by low pressure suction created by an electric suction pump.

ABORTION, RESIDENT:

Abortions to Minnesota residents which occurred in Minnesota and were reported during this Surveillance period.

CAUSE OF DEATH:

The Ninth Revision of the International Classification of Diseases (ICD) was used.

COMPLICATIONS OF INDUCED ABORTION:

Any unfavorable condition related to the abortion as reported by the provider facility including: hemorrhage (more than 500 ml), pelvic infection, fever, cervical injury, uterine perforation, or retained tissue.

CURETTE:

A spoon-shaped surgical instrument.

CURETTAGE:

The removal of material from the uterine wall with a curette. Also, the induction of endometrial bleeding by administration and withdrawal of any progestational agent.

FETAL DEATH:

Fetal death is death prior to the complete expulsion or extraction of a product of conception from its mother, irrespective of the duration of pregnancy. In this summary only the fetal deaths of 20 weeks or more are reported.

FETAL DEATH ORDER:

The number of fetal deaths including the current fetal death.

GESTATION:

The period of development of the fetus, expressed in completed weeks, calculated from the first day of the last menstrual period (LMP).

HIGH RISK BIRTH:

A birth is classified as high risk if any of the following conditions exist:

Mother's age: Less than 17 years or over 39 years.
Prenatal care: Less than 3 visits.
Condition not related to pregnancy: Tuberculosis, rubella, diabetes, cardiac condition, or urinary tract infection.
Condition related to pregnancy: Hydramnios or toxemia.
Condition of labor: Prolonged labor.
Birth weight: 2,499 grams or less (5 lb. 8 oz.)
Birth injury: To brain, spinal cord, fractures, other bone injury, paralysis, or nerve injuries.
Birth condition: Hemolytic diseases of newborn, hyaline membrane D, respiratory distress syndrome, or atelectasis.
Congenital anomaly.

INFANT DEATH:

A death under one year of age.

LAMINARIA:

Sterile, dried marine plant stems which are capable of expanding with fluid absorption.

LIVE BIRTH:

Live birth means the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached, each product of such a birth is considered a live born.

LIVE BIRTH ORDER:

The number of live births including the current birth.

MATERNAL DEATH:

Maternal death is a death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium, as defined by the International Classification of Diseases.

NEONATAL DEATH:

A death to an infant under 28 days of age.

RATE:

Rates are given per 1,000 except for certain causes of death when they are stated as per 100,000. See Technical Notes, page 8 for explanations of specific rates included in this report.

REGION:

Region refers to the eight Minnesota Department of Health Districts. Region names and counties within regions follow:

Northwestern: Beltrami, Clearwater, Hubbard, Kittson, Lake of the Woods, Mahnomen, Marshall, Norman, Pennington, Polk, Red Lake and Roseau

Northeastern: Aitkin, Carlton, Cook, Itasca, Koochiching, Lake, and St. Louis

West Central: Becker, Clay, Douglas, Grant, Otter Tail, Pope, Stevens, Traverse, and Wilkin

Central: Benton, Cass, Chisago, Crow Wing, Isanti, Kanabec, Mille Lacs, Morrison, Pine, Sherburne, Stearns, Todd, Wadena, and Wright

Southwestern: Big Stone, Chippewa, Cottonwood, Jackson, Kandiyohi, Lac Qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Nobles, Pipestone, Redwood, Renville, Rock, Swift, and Yellow Medicine

South Central: Blue Earth, Brown, Faribault, Le Sueur, Martin, Nicollet, Sibley, Waseca, and Watonwan

Southeastern: Dodge, Fillmore, Freeborn, Goodhue, Houston, Mower, Olmsted, Rice, Steele, Wabasha, and Winona

Metropolitan: Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington.

RESIDENCE:

This is the geographic area of the usual place of abode of the deceased at the time of death, of the mother in the case of live births or fetal deaths, and of the induced abortion recipient. This means, in general, the place where one lives and sleeps most of the time. However, when usual residence is in a nursing home or other institution, where the patient resided for the purpose of receiving care, residence is coded to the place where the patient lived prior to admission to the institution.

RESIDENT PERCENTAGE, REPORTED INDUCED ABORTIONS:

The number of Minnesota residents receiving induced abortions per 100 total reported induced abortions occurring in Minnesota. Most tables relating to abortions include resident percentages pertinent to selected variables contained within the individual tables.

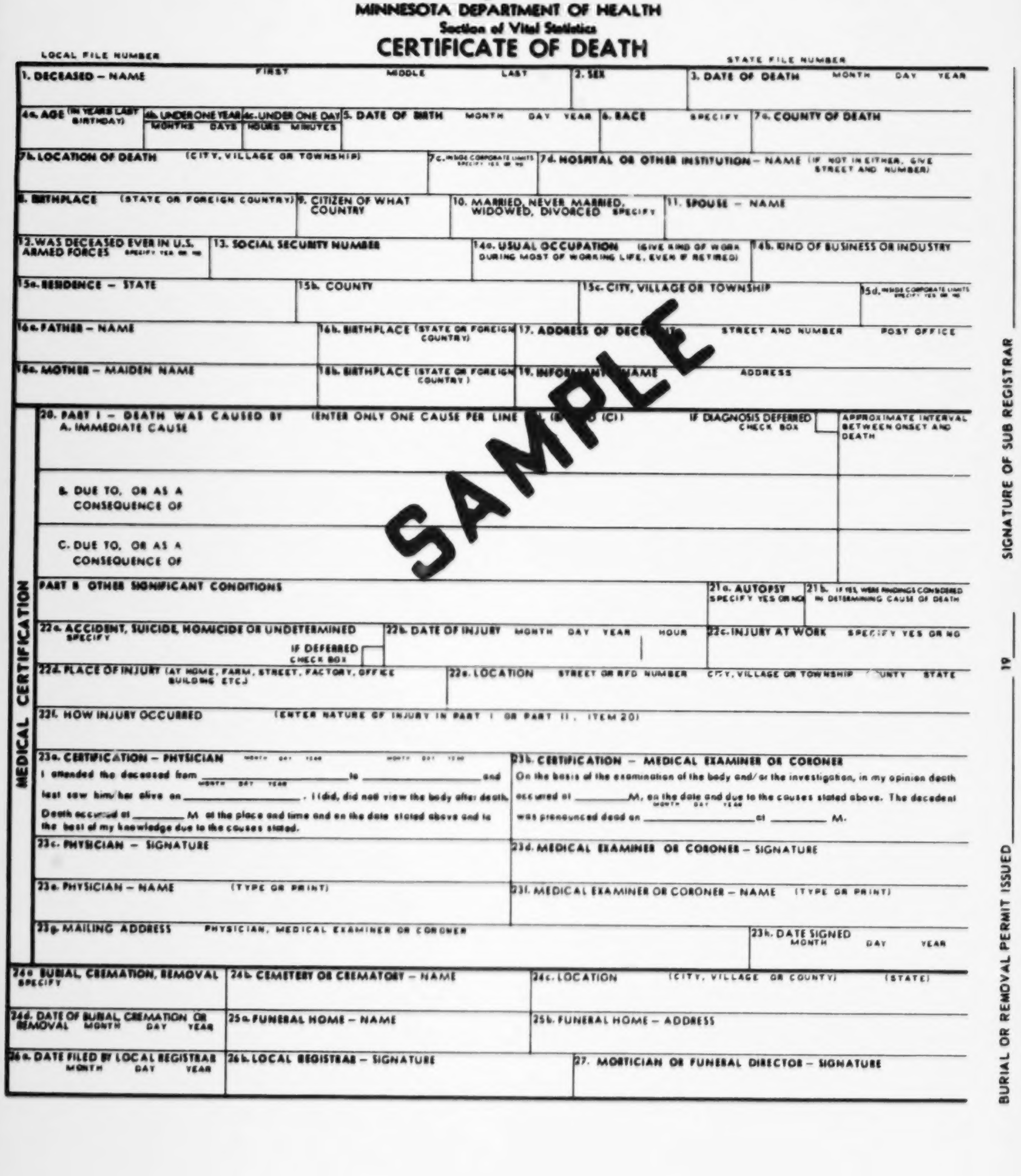
TRIMESTER:

One third of the total gestational period necessary for a full-term pregnancy. Thirteen weeks are allotted to each trimester. The count of weeks begins with the first day of the last menstrual period.

APPENDIX B

DATA COLLECTION INSTRUMENTS

Figure 8



MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics

CERTIFICATE OF DEATH

LOCAL FILE NUMBER

STATE FILE NUMBER

SAMPLE

1. DECEASED – NAME FIRST MIDDLE LAST
2. SEX
3. DATE OF DEATH MONTH DAY YEAR
4a. AGE (IN YEARS LAST BIRTHDAY)
4b. UNDER ONE YEAR MONTHS DAYS
4c. UNDER ONE DAY HOURS MINUTES
5. DATE OF BIRTH MONTH DAY YEAR
6. RACE SPECIFY
7a. COUNTY OF DEATH
7b. LOCATION OF DEATH (CITY, VILLAGE OR TOWNSHIP)
7c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
7d. HOSPITAL OR OTHER INSTITUTION – NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER)
8. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
9. CITIZEN OF WHAT COUNTRY
10. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED SPECIFY
11. SPOUSE – NAME
12. WAS DECEASED EVER IN U.S. ARMED FORCES SPECIFY YES OR NO
13. SOCIAL SECURITY NUMBER
14a. USUAL OCCUPATION (GIVE KIND OF WORK DURING MOST OF WORKING LIFE, EVEN IF RETIRED)
14b. KIND OF BUSINESS OR INDUSTRY
15a. RESIDENCE – STATE
15b. COUNTY
15c. CITY, VILLAGE OR TOWNSHIP
15d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
16a. FATHER – NAME
16b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
17. ADDRESS OF DECEDENT STREET AND NUMBER POST OFFICE
18a. MOTHER – MAIDEN NAME
18b. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
19. INFORMANT – NAME ADDRESS

MEDICAL CERTIFICATION

20. PART I – DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE [illegible] (B) [illegible] (C))
A. IMMEDIATE CAUSE
IF DIAGNOSIS DEFERRED CHECK BOX ☐
APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
PART II OTHER SIGNIFICANT CONDITIONS
21a. AUTOPSY SPECIFY YES OR NO
21b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH
22a. ACCIDENT, SUICIDE, HOMICIDE OR UNDETERMINED SPECIFY
IF DEFERRED CHECK BOX ☐
22b. DATE OF INJURY MONTH DAY YEAR HOUR
22c. INJURY AT WORK SPECIFY YES OR NO
22d. PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BUILDING ETC.)
22e. LOCATION STREET OR RFD NUMBER CITY, VILLAGE OR TOWNSHIP COUNTY STATE
22f. HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 20)

23a. CERTIFICATION – PHYSICIAN
I attended the deceased from ______________ (MONTH DAY YEAR) to ______________ (MONTH DAY YEAR) and last saw him/her alive on ______________. I did, did not view the body after death. Death occurred at ________ M at the place and time and on the date stated above and to the best of my knowledge due to the causes stated.

23b. CERTIFICATION – MEDICAL EXAMINER OR CORONER
On the basis of the examination of the body and/or the investigation, in my opinion death occurred at ________ M, on the date and due to the causes stated above. The decedent was pronounced dead on ______________ (MONTH DAY YEAR) at ________ M.

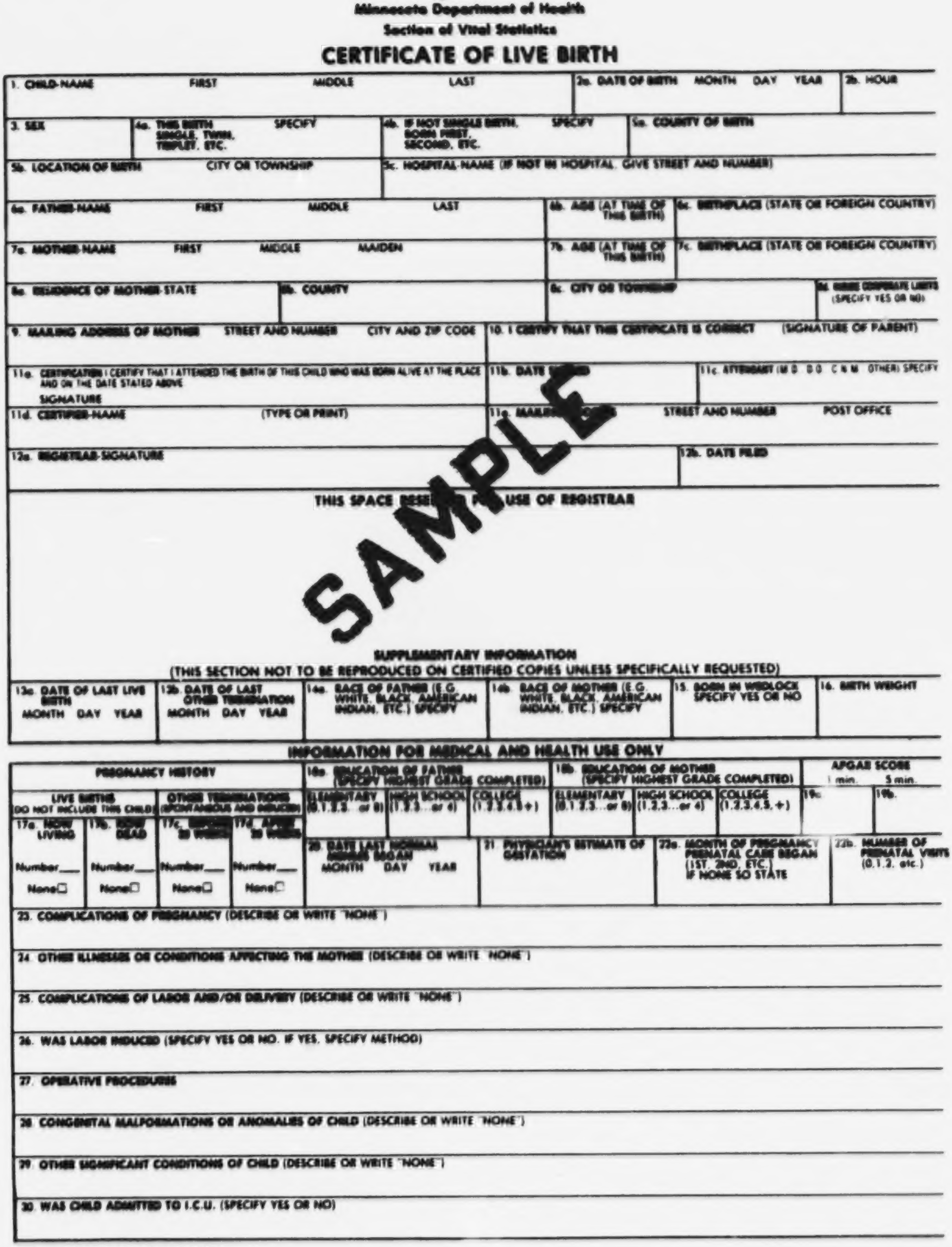
23c. PHYSICIAN – SIGNATURE
23d. MEDICAL EXAMINER OR CORONER – SIGNATURE
23e. PHYSICIAN – NAME (TYPE OR PRINT)
23f. MEDICAL EXAMINER OR CORONER – NAME (TYPE OR PRINT)
23g. MAILING ADDRESS PHYSICIAN, MEDICAL EXAMINER OR CORONER
23h. DATE SIGNED MONTH DAY YEAR
24a. BURIAL, CREMATION, REMOVAL SPECIFY
24b. CEMETERY OR CREMATORY – NAME
24c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
24d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
25a. FUNERAL HOME – NAME
25b. FUNERAL HOME – ADDRESS
26a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
26b. LOCAL REGISTRAR – SIGNATURE
27. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SIGNATURE OF SUB REGISTRAR ______

19 ______

BURIAL OR REMOVAL PERMIT ISSUED ______

Figure 9



Minnesota Department of Health

Section of Vital Statistics

CERTIFICATE OF LIVE BIRTH

1. CHILD-NAME FIRST MIDDLE LAST
2a. DATE OF BIRTH MONTH DAY YEAR
2b. HOUR
3. SEX
4a. THIS BIRTH SINGLE, TWIN, TRIPLET, ETC. SPECIFY
4b. IF NOT SINGLE BIRTH, BORN FIRST, SECOND, ETC. SPECIFY
5a. COUNTY OF BIRTH
5b. LOCATION OF BIRTH CITY OR TOWNSHIP
5c. HOSPITAL-NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)
6a. FATHER-NAME FIRST MIDDLE LAST
6b. AGE (AT TIME OF THIS BIRTH)
6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
7a. MOTHER-NAME FIRST MIDDLE MAIDEN
7b. AGE (AT TIME OF THIS BIRTH)
7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
8a. RESIDENCE OF MOTHER-STATE
8b. COUNTY
8c. CITY OR TOWNSHIP
8d. INSIDE CORPORATE LIMITS (SPECIFY YES OR NO)
9. MAILING ADDRESS OF MOTHER STREET AND NUMBER CITY AND ZIP CODE
10. I CERTIFY THAT THIS CERTIFICATE IS CORRECT (SIGNATURE OF PARENT)
11a. CERTIFICATION I CERTIFY THAT I ATTENDED THE BIRTH OF THIS CHILD WHO WAS BORN ALIVE AT THE PLACE AND ON THE DATE STATED ABOVE
SIGNATURE
11b. DATE SIGNED
11c. ATTENDANT (M.D. D.O. C.N.M. OTHER) SPECIFY
11d. CERTIFIER-NAME (TYPE OR PRINT)
11e. MAILING ADDRESS STREET AND NUMBER POST OFFICE
12a. REGISTRAR-SIGNATURE
12b. DATE FILED

THIS SPACE RESERVED FOR USE OF REGISTRAR

SAMPLE

SUPPLEMENTARY INFORMATION
(THIS SECTION NOT TO BE REPRODUCED ON CERTIFIED COPIES UNLESS SPECIFICALLY REQUESTED)

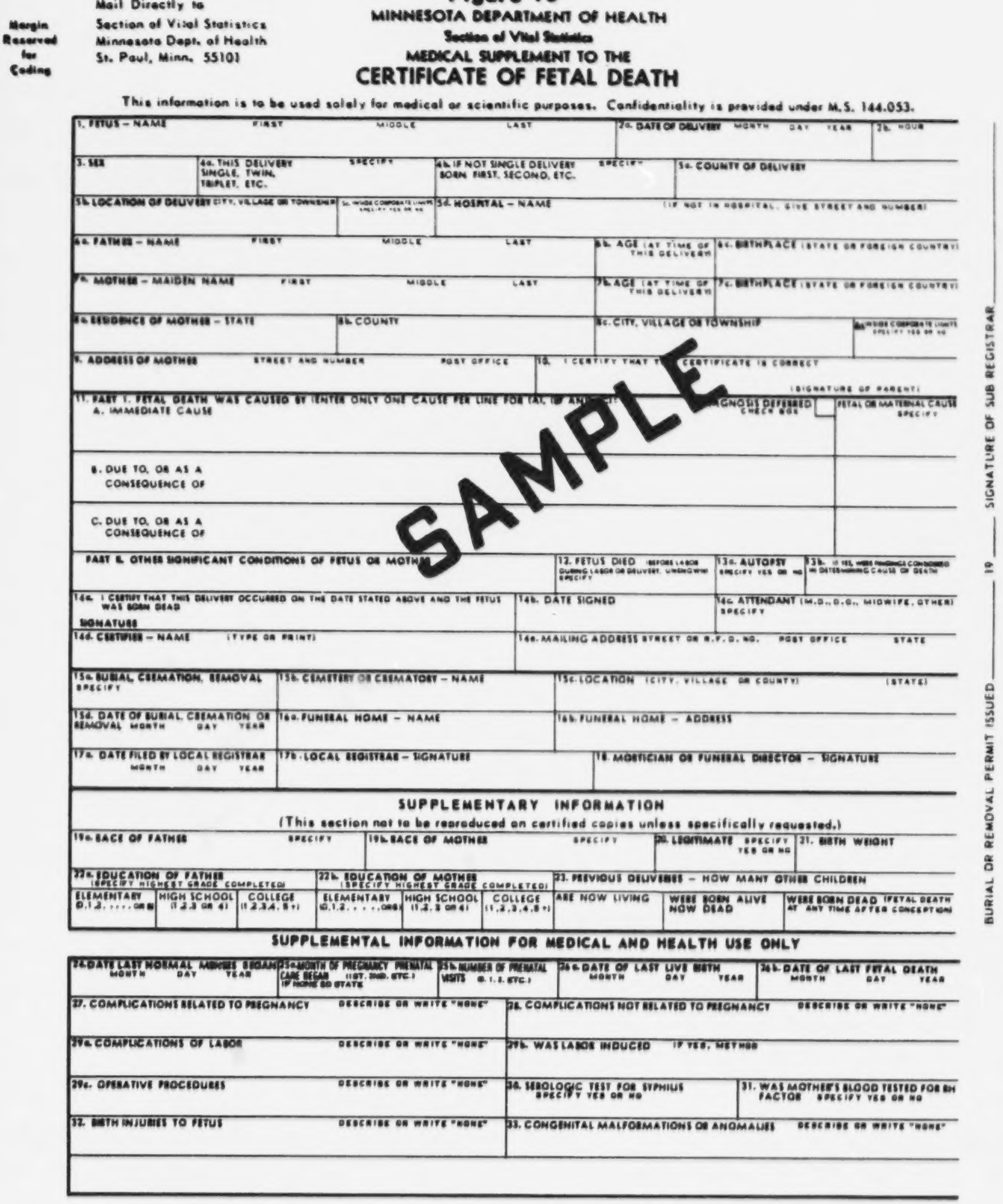
13a. DATE OF LAST LIVE BIRTH MONTH DAY YEAR
13b. DATE OF LAST OTHER TERMINATION MONTH DAY YEAR
14a. RACE OF FATHER (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY
14b. RACE OF MOTHER (E.G. WHITE, BLACK, AMERICAN INDIAN, ETC.) SPECIFY
15. BORN IN WEDLOCK SPECIFY YES OR NO
16. BIRTH WEIGHT

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

PREGNANCY HISTORY
LIVE BIRTHS (DO NOT INCLUDE THIS CHILD)
17a. NOW LIVING Number___ None☐
17b. NOW DEAD Number___ None☐
OTHER TERMINATIONS (SPONTANEOUS AND INDUCED)
17c. BEFORE 20 WEEKS Number___ None☐
17d. AFTER 20 WEEKS Number___ None☐
18a. EDUCATION OF FATHER (SPECIFY HIGHEST GRADE COMPLETED) ELEMENTARY (0,1,2,3...or 8) HIGH SCHOOL (1,2,3...or 4) COLLEGE (1,2,3,4,5,+)
18b. EDUCATION OF MOTHER (SPECIFY HIGHEST GRADE COMPLETED) ELEMENTARY (0,1,2,3...or 8) HIGH SCHOOL (1,2,3...or 4) COLLEGE (1,2,3,4,5,+)
APGAR SCORE
19a. 1 min.
19b. 5 min.
20. DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR
21. PHYSICIAN'S ESTIMATE OF GESTATION
22a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE
22b. NUMBER OF PRENATAL VISITS (0,1,2, etc.)
23. COMPLICATIONS OF PREGNANCY (DESCRIBE OR WRITE "NONE")
24. OTHER ILLNESSES OR CONDITIONS AFFECTING THE MOTHER (DESCRIBE OR WRITE "NONE")
25. COMPLICATIONS OF LABOR AND/OR DELIVERY (DESCRIBE OR WRITE "NONE")
26. WAS LABOR INDUCED (SPECIFY YES OR NO. IF YES, SPECIFY METHOD)
27. OPERATIVE PROCEDURES
28. CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (DESCRIBE OR WRITE "NONE")
29. OTHER SIGNIFICANT CONDITIONS OF CHILD (DESCRIBE OR WRITE "NONE")
30. WAS CHILD ADMITTED TO I.C.U. (SPECIFY YES OR NO)

Important: Please Read Reverse Side

Figure 10



Margin
Reserved
for
Coding

Mail Directly to
Section of Vital Statistics
Minnesota Dept. of Health
St. Paul, Minn. 55101

MINNESOTA DEPARTMENT OF HEALTH
Section of Vital Statistics
MEDICAL SUPPLEMENT TO THE
CERTIFICATE OF FETAL DEATH

This information is to be used solely for medical or scientific purposes. Confidentiality is provided under M.S. 144.053.

1. FETUS – NAME FIRST MIDDLE LAST
2a. DATE OF DELIVERY MONTH DAY YEAR
2b. HOUR
3. SEX
4a. THIS DELIVERY SINGLE, TWIN, TRIPLET, ETC. SPECIFY
4b. IF NOT SINGLE DELIVERY BORN FIRST, SECOND, ETC. SPECIFY
5a. COUNTY OF DELIVERY
5b. LOCATION OF DELIVERY CITY, VILLAGE OR TOWNSHIP
5c. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
5d. HOSPITAL – NAME (IF NOT IN HOSPITAL, GIVE STREET AND NUMBER)
6a. FATHER – NAME FIRST MIDDLE LAST
6b. AGE (AT TIME OF THIS DELIVERY)
6c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
7a. MOTHER – MAIDEN NAME FIRST MIDDLE LAST
7b. AGE (AT TIME OF THIS DELIVERY)
7c. BIRTHPLACE (STATE OR FOREIGN COUNTRY)
8a. RESIDENCE OF MOTHER – STATE
8b. COUNTY
8c. CITY, VILLAGE OR TOWNSHIP
8d. INSIDE CORPORATE LIMITS SPECIFY YES OR NO
9. ADDRESS OF MOTHER STREET AND NUMBER POST OFFICE
10. I CERTIFY THAT T CERTIFICATE IS CORRECT
(SIGNATURE OF PARENT)

11. PART I. FETAL DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (A), (B) AN
A. IMMEDIATE CAUSE
GNOSIS DEFERRED CHECK BOX ☐
FETAL OR MATERNAL CAUSE SPECIFY
B. DUE TO, OR AS A CONSEQUENCE OF
C. DUE TO, OR AS A CONSEQUENCE OF
PART II. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTH
12. FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY, UNKNOWN SPECIFY
13a. AUTOPSY SPECIFY YES OR NO
13b. IF YES, WERE FINDINGS CONSIDERED IN DETERMINING CAUSE OF DEATH

SAMPLE

14a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD
SIGNATURE
14b. DATE SIGNED
14c. ATTENDANT (M.D., D.O., MIDWIFE, OTHER) SPECIFY
14d. CERTIFIER – NAME (TYPE OR PRINT)
14e. MAILING ADDRESS STREET OR R.F.D. NO. POST OFFICE STATE
15a. BURIAL, CREMATION, REMOVAL SPECIFY
15b. CEMETERY OR CREMATORY – NAME
15c. LOCATION (CITY, VILLAGE OR COUNTY) (STATE)
15d. DATE OF BURIAL, CREMATION OR REMOVAL MONTH DAY YEAR
16a. FUNERAL HOME – NAME
16b. FUNERAL HOME – ADDRESS
17a. DATE FILED BY LOCAL REGISTRAR MONTH DAY YEAR
17b. LOCAL REGISTRAR – SIGNATURE
18. MORTICIAN OR FUNERAL DIRECTOR – SIGNATURE

SUPPLEMENTARY INFORMATION
(This section not to be reproduced on certified copies unless specifically requested.)

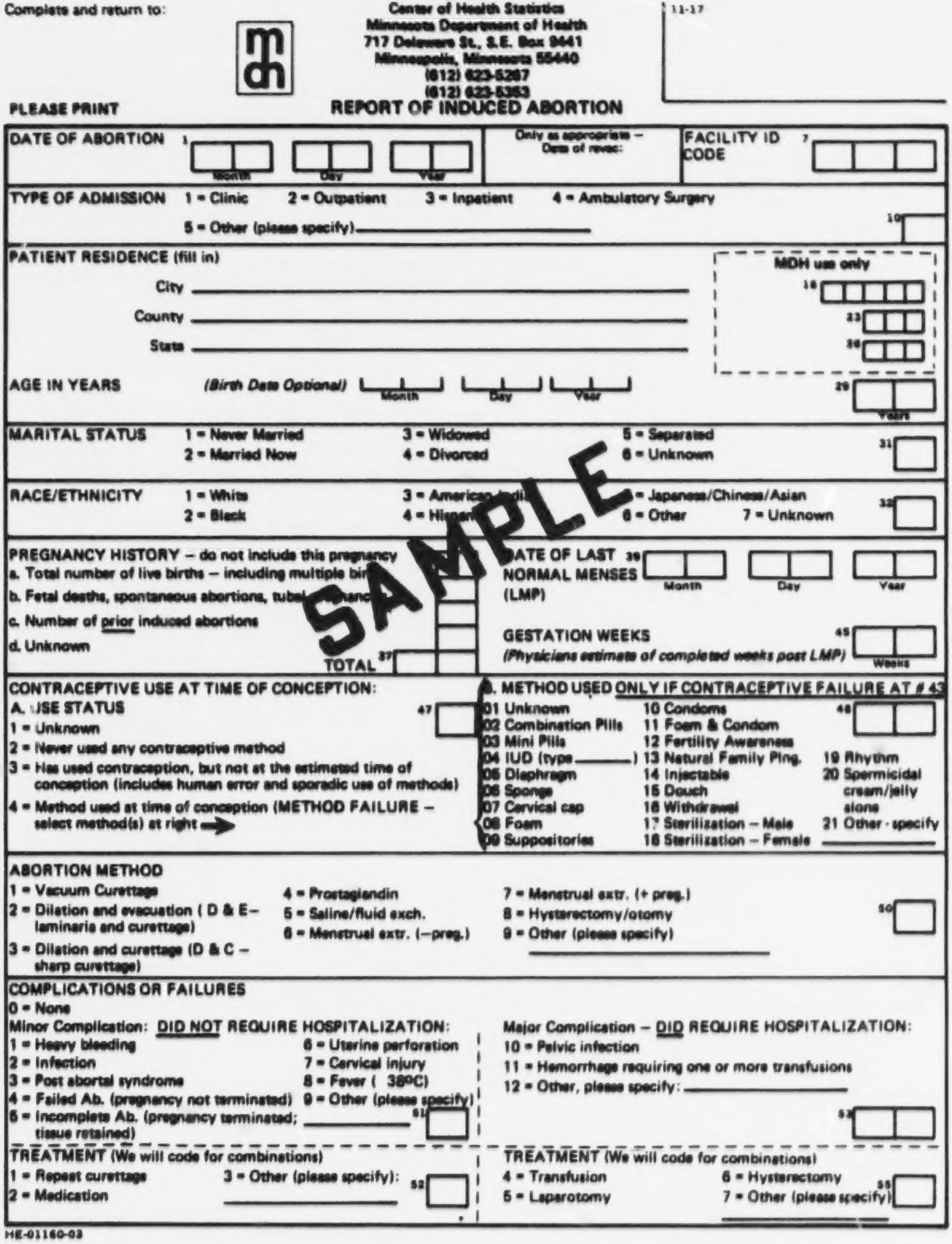
19a. RACE OF FATHER SPECIFY
19b. RACE OF MOTHER SPECIFY
20. LEGITIMATE SPECIFY YES OR NO
21. BIRTH WEIGHT
22a. EDUCATION OF FATHER (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2, ... OR 8) HIGH SCHOOL (1,2,3 OR 4) COLLEGE (1,2,3,4, 5+)
22b. EDUCATION OF MOTHER (SPECIFY HIGHEST GRADE COMPLETED)
ELEMENTARY (0,1,2, ... OR 8) HIGH SCHOOL (1,2,3 OR 4) COLLEGE (1,2,3,4,5+)
23. PREVIOUS DELIVERIES – HOW MANY OTHER CHILDREN
ARE NOW LIVING
WERE BORN ALIVE NOW DEAD
WERE BORN DEAD (FETAL DEATH AT ANY TIME AFTER CONCEPTION)

SUPPLEMENTAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

24. DATE LAST NORMAL MENSES BEGAN MONTH DAY YEAR
25a. MONTH OF PREGNANCY PRENATAL CARE BEGAN (1ST, 2ND, ETC.) IF NONE SO STATE
25b. NUMBER OF PRENATAL VISITS (0, 1, 2, ETC.)
26a. DATE OF LAST LIVE BIRTH MONTH DAY YEAR
26b. DATE OF LAST FETAL DEATH MONTH DAY YEAR
27. COMPLICATIONS RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"
28. COMPLICATIONS NOT RELATED TO PREGNANCY DESCRIBE OR WRITE "NONE"
29a. COMPLICATIONS OF LABOR DESCRIBE OR WRITE "NONE"
29b. WAS LABOR INDUCED IF YES, METHOD
29c. OPERATIVE PROCEDURES DESCRIBE OR WRITE "NONE"
30. SEROLOGIC TEST FOR SYPHILIS SPECIFY YES OR NO
31. WAS MOTHER'S BLOOD TESTED FOR RH FACTOR SPECIFY YES OR NO
32. BIRTH INJURIES TO FETUS DESCRIBE OR WRITE "NONE"
33. CONGENITAL MALFORMATIONS OR ANOMALIES DESCRIBE OR WRITE "NONE"

19 ___ SIGNATURE OF SUB REGISTRAR ___
BURIAL OR REMOVAL PERMIT ISSUED ___

Figure 11



Complete and return to:

Center of Health Statistics
Minnesota Department of Health
717 Delaware St., S.E. Box 9441
Minneapolis, Minnesota 55440
(612) 623-5287
(612) 623-5353

11-17

PLEASE PRINT

REPORT OF INDUCED ABORTION

SAMPLE

DATE OF ABORTION 1 ☐☐ Month ☐☐ Day ☐☐ Year

Only as appropriate – Date of revec:

FACILITY ID CODE 7 ☐☐☐

TYPE OF ADMISSION 1 = Clinic 2 = Outpatient 3 = Inpatient 4 = Ambulatory Surgery
5 = Other (please specify)________ 10 ☐

PATIENT RESIDENCE (fill in)
City ________
County ________
State ________

MDH use only
18 ☐☐☐☐☐
23 ☐☐☐
26 ☐☐☐

AGE IN YEARS *(Birth Date Optional)* Month Day Year 29 ☐☐ Years

MARITAL STATUS
1 = Never Married
2 = Married Now
3 = Widowed
4 = Divorced
5 = Separated
6 = Unknown
31 ☐

RACE/ETHNICITY
1 = White
2 = Black
3 = American Indi
4 = Hi
= Japanese/Chinese/Asian
6 = Other
7 = Unknown
32 ☐

PREGNANCY HISTORY – do not include this pregnancy
a. Total number of live births – including multiple bir
b. Fetal deaths, spontaneous abortions, tubal ancy
c. Number of prior induced abortions
d. Unknown
TOTAL 37 ☐☐

DATE OF LAST NORMAL MENSES (LMP) 39 ☐☐ Month ☐☐ Day ☐☐ Year

GESTATION WEEKS 45 ☐☐ Weeks
(Physicians estimate of completed weeks post LMP)

CONTRACEPTIVE USE AT TIME OF CONCEPTION:
A. USE STATUS 47 ☐
1 = Unknown
2 = Never used any contraceptive method
3 = Has used contraception, but not at the estimated time of conception (includes human error and sporadic use of methods)
4 = Method used at time of conception (METHOD FAILURE – select method(s) at right →

METHOD USED ONLY IF CONTRACEPTIVE FAILURE AT # 43 48 ☐☐
01 Unknown
02 Combination Pills
03 Mini Pills
04 IUD (type____)
05 Diaphragm
06 Sponge
07 Cervical cap
08 Foam
09 Suppositories
10 Condoms
11 Foam & Condom
12 Fertility Awareness
13 Natural Family Plng.
14 Injectable
15 Douch
16 Withdrawal
17 Sterilization – Male
18 Sterilization – Female
19 Rhythm
20 Spermicidal cream/jelly alone
21 Other - specify ________

ABORTION METHOD
1 = Vacuum Curettage
2 = Dilation and evacuation (D & E– laminaria and curettage)
3 = Dilation and curettage (D & C – sharp curettage)
4 = Prostaglandin
5 = Saline/fluid exch.
6 = Menstrual extr. (–preg.)
7 = Menstrual extr. (+ preg.)
8 = Hysterectomy/otomy
9 = Other (please specify) ________
50 ☐

COMPLICATIONS OR FAILURES
0 = None
Minor Complication: DID NOT REQUIRE HOSPITALIZATION:
1 = Heavy bleeding
2 = Infection
3 = Post abortal syndrome
4 = Failed Ab. (pregnancy not terminated)
5 = Incomplete Ab. (pregnancy terminated; tissue retained)
6 = Uterine perforation
7 = Cervical injury
8 = Fever (38ºC)
9 = Other (please specify) ________ 51 ☐

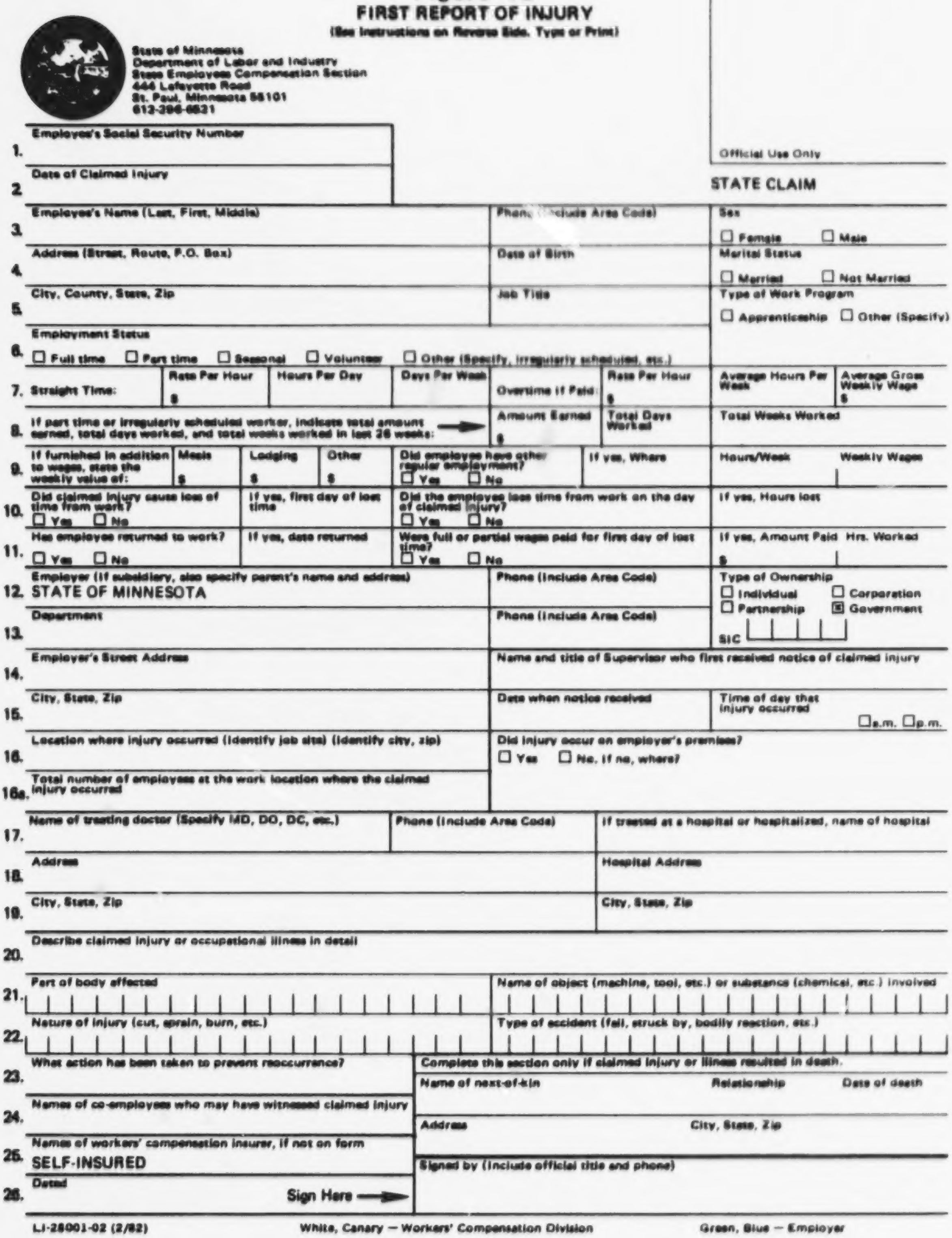
Major Complication – DID REQUIRE HOSPITALIZATION:
10 = Pelvic infection
11 = Hemorrhage requiring one or more transfusions
12 = Other, please specify: ________
53 ☐☐

TREATMENT (We will code for combinations)
1 = Repeat curettage
2 = Medication
3 = Other (please specify): ________ 52 ☐

TREATMENT (We will code for combinations)
4 = Transfusion
5 = Laparotomy
6 = Hysterectomy
7 = Other (please specify) ________ 55 ☐

HE-01160-03

Figure 12



FIRST REPORT OF INJURY

(See Instructions on Reverse Side. Type or Print)

State of Minnesota
Department of Labor and Industry
State Employees Compensation Section
444 Lafayette Road
St. Paul, Minnesota 55101
612-296-6521

Official Use Only

STATE CLAIM

1. Employee's Social Security Number
2. Date of Claimed Injury
3. Employee's Name (Last, First, Middle) | Phone (Include Area Code) | Sex ☐ Female ☐ Male
4. Address (Street, Route, P.O. Box) | Date of Birth | Marital Status ☐ Married ☐ Not Married
5. City, County, State, Zip | Job Title | Type of Work Program ☐ Apprenticeship ☐ Other (Specify)
6. Employment Status ☐ Full time ☐ Part time ☐ Seasonal ☐ Volunteer ☐ Other (Specify, irregularly scheduled, etc.)
7. Straight Time: | Rate Per Hour $ | Hours Per Day | Days Per Week | Overtime if Paid: | Rate Per Hour $ | Average Hours Per Week | Average Gross Weekly Wage $
8. If part time or irregularly scheduled worker, indicate total amount earned, total days worked, and total weeks worked in last 26 weeks: → | Amount Earned $ | Total Days Worked | Total Weeks Worked
9. If furnished in addition to wages, state the weekly value of: | Meals $ | Lodging $ | Other $ | Did employee have other regular employment? ☐ Yes ☐ No | If yes, Where | Hours/Week | Weekly Wages
10. Did claimed injury cause loss of time from work? ☐ Yes ☐ No | If yes, first day of lost time | Did the employee lose time from work on the day of claimed injury? ☐ Yes ☐ No | If yes, Hours lost
11. Has employee returned to work? ☐ Yes ☐ No | If yes, date returned | Were full or partial wages paid for first day of lost time? ☐ Yes ☐ No | If yes, Amount Paid $ | Hrs. Worked
12. Employer (If subsidiary, also specify parent's name and address) STATE OF MINNESOTA | Phone (Include Area Code) | Type of Ownership ☐ Individual ☐ Corporation ☐ Partnership ☒ Government
13. Department | Phone (Include Area Code) | SIC
14. Employer's Street Address | Name and title of Supervisor who first received notice of claimed injury
15. City, State, Zip | Date when notice received | Time of day that injury occurred ☐a.m. ☐p.m.
16. Location where injury occurred (identify job site) (identify city, zip) | Did injury occur on employer's premises? ☐ Yes ☐ No, if no, where?
16a. Total number of employees at the work location where the claimed injury occurred
17. Name of treating doctor (Specify MD, DO, DC, etc.) | Phone (Include Area Code) | If treated at a hospital or hospitalized, name of hospital
18. Address | Hospital Address
19. City, State, Zip | City, State, Zip
20. Describe claimed injury or occupational illness in detail
21. Part of body affected | Name of object (machine, tool, etc.) or substance (chemical, etc.) involved
22. Nature of injury (cut, sprain, burn, etc.) | Type of accident (fall, struck by, bodily reaction, etc.)
23. What action has been taken to prevent reoccurrence? | Complete this section only if claimed injury or illness resulted in death. Name of next-of-kin | Relationship | Date of death
24. Names of co-employees who may have witnessed claimed injury | Address | City, State, Zip
25. Names of workers' compensation insurer, if not on form SELF-INSURED | Signed by (Include official title and phone)
26. Dated | Sign Here →

LI-28001-02 (2/82) White, Canary — Workers' Compensation Division Green, Blue — Employer

APPENDIX C

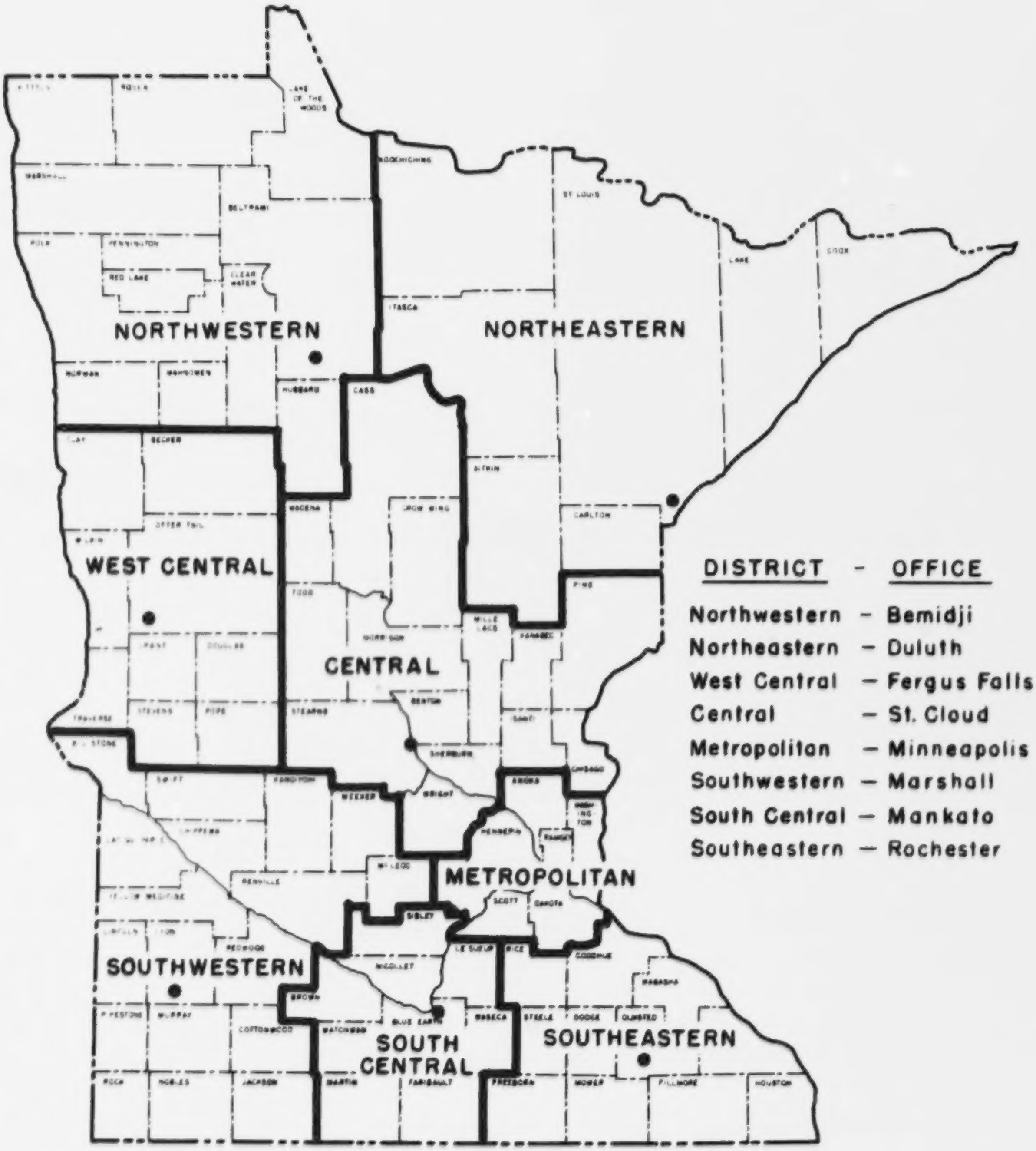
MAP OF HEALTH DISTRICTS AND OFFICES

159

Figure 13

MINNESOTA DEPARTMENT OF HEALTH

Health Districts and Offices


NORTHWESTERN
NORTHEASTERN
WEST CENTRAL
CENTRAL
METROPOLITAN
SOUTHWESTERN
SOUTH CENTRAL
SOUTHEASTERN
DISTRICT - OFFICE
Northwestern - Bemidji
Northeastern - Duluth
West Central - Fergus Falls
Central - St. Cloud
Metropolitan - Minneapolis
Southwestern - Marshall
South Central - Mankato
Southeastern - Rochester

Minnesota Department of Health - 1957